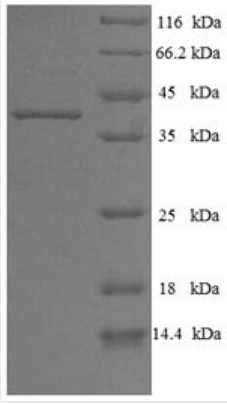
Pleckstrin Homology Domain-Containing Family B Member 2 (PLEKHB2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pleckstrin homology domain-containing family B member 2 (PLEKHB2), Recombinant Protein
Full Product Name	Recombinant Human Pleckstrin homology domain-containing family B member 2
Product Gene Name	PLEKHB2 recombinant protein
Product Synonym Names	Evectin-2
Sequence	MAFVKSGWLL RQSTILKRWK KNWFDLWSDG HLIYYDDQTR QNIEDKVHMP MDCINIRTGQ ECRDTQPPDG KSKDCMLQIV CRDGKTISLC AESTDDCLAW KFTLQDSRTN TAYVGSAVMT DETSVVSSPP PYTAYAAPAP EQAYGYGPYG GAYPPGTQVV YAANGQAYAV PYQYPYAGLY GQQPANQVII RERYRDNDSD LALGMLAGAA TGMALGSLFW VF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	40.7 kDa
Sequence Positions	1-222aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q96CS7
Product Categories/Family for PLEKHB2 recombinant protein	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PLEKHB2 recombinant protein	MBS1350423 is a recombinant protein targeting PLEKHB2. Also known as Recombinant Human Pleckstrin homology domain-containing family B member 2. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. Involved in retrograde transport of recycling endosomes.

Product References and Citations for PLEKHB2 recombinant protein	Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Suzuki Y., Sugano S., Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S. Generation and annotation of the DNA sequences of human chromosomes 2 and 4.Hillier L.W., Graves T.A., Fulton R.S., Fulton L.A., Pepin K.H., Minx P., Wagner-McPherson C., Layman D., Wylie K., Sekhon M., Becker M.C., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Kremitzki C., Oddy L., Du H., Sun H., Bradshaw-Cordum H., Ali J., Carter J., Cordes M., Harris A., Isak A., van Brunt A., Nguyen C., Du F., Courtney L., Kalicki J., Ozersky P., Abbott S., Armstrong J., Belter E.A., Caruso L., Cedroni M., Cotton M., Davidson T., Desai A., Elliott G., Erb T., Fronick C., Gaige T., Haakenson W., Haglund K., Holmes A., Harkins R., Kim K., Kruchowski S.S., Strong C.M., Grewal N., Goyea E., Hou S., Levy A., Martinka S., Mead K., McLellan M.D., Meyer R., Randall-Maher J., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Shah N., Swearengen-Shahid S., Snider J., Strong J.T., Thompson J., Yoakum M., Leonard S., Pearman C., Trani L., Radionenko M., Waligorski J.E., Wang C., Rock S.M., Tin-Wollam A.-M., Maupin R., Latreille P., Wendl M.C., Yang S.-P., Pohl C., Wallis J.W., Spieth J., Bieri T.A., Berkowicz N., Nelson J.O., Osborne J., Ding L., Meyer R., Sabo A., Shotland Y., Sinha P., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Jones T.A., She X., Ciccarelli F.D., Izaurralde E., Taylor J., Schmutz J., Myers R.M., Cox D.R., Huang X., McPherson J.D., Mardis E.R., Clifton S.W., Warren W.C., Chinwalla A.T., Eddy S.R., Marra M.A., Ovcharenko I., Furey T.S., Miller W., Eichler E.E., Bork P., Suyama M., Torrents D., Waterston R.H., Wilson R.K.Nature 434:724-731(2005)
Other Notes	Small volumes of PLEKHB2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-PAGE of PLEKHB2 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEKHB2. It may not necessarily be applicable to this product.

NCBI GI #	154800478
NCBI GeneID	55041
NCBI Accession #	NP_001094093.1

UniProt Primary Accession #	Q96CS7
UniProt Secondary Accession #	Q53FF1; Q53TH7; Q86W37; Q9BV75; Q9NWK1; B4DF08; B4DZ66; B8ZZN1
UniProt Related Accession #	Q96CS7
GenBank Nucleotide #	NM_001100623.1
NCBI Official Full Name	pleckstrin homology domain-containing family B member 2 isoform 3
NCBI Official Synonym Full Names	pleckstrin homology domain containing B2
NCBI Official Symbol	PLEKHB2
NCBI Official Synonym Symbols	EVT2
UniProt Protein Name	Pleckstrin homology domain-containing family B member 2
UniProt Synonym Protein Names	Evectin-2
Protein Family	Pleckstrin homology domain-containing family
UniProt Gene Name	PLEKHB2
UniProt Synonym Gene Names	EVT2; PH domain-containing family B member 2
UniProt Entry Name	PKHB2_HUMAN
NCBI Protein Information	pleckstrin homology domain-containing family B member 2
UniProt Comments for PLEKHB2	PLEKHB2: Involved in retrograde transport of recycling endosomes. 3 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 2q21.1 Cellular Component: recycling endosome membrane Molecular Function: protein binding
Research Articles on PLEKHB2	**1.** The crystal structure at 1.75 A resolution of an apo form of human evectin-2 pleckstrin homology domain, in which the ligand-binding site is free from crystal packing and is thus appropriate for comparison with the structure of the complex, is reported.
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