Ras Gtpase-Activating Protein Ngap (RASAL2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ras GTPase-activating protein nGAP (RASAL2), Recombinant Protein
Full Product Name	Recombinant Human Ras GTPase-activating protein nGAP (RASAL2) , partial
Product Gene Name	RASAL2 recombinant protein
Product Synonym Gene Name	RASAL2
Sequence	CRRAENVLRL WIIEAKDLAP KKKYFCELCL DDTLFARTTS KTKADNIFWG EHFEFFSLPP LHSITVHIYK DVEKKKKKDK NNYVGLVNIP TASVTGRQFV EKWYPVSTPT PNKGKTGGPS IRIKSRFQTI TILPMEQYKE FAEFVTSNYT MLCSVLEPVI SVRNKEELAC ALVHILQSTG RAKDFLTDLV MSEVDRCGEH DVLIFRENTI ATKSIEEYLK LVGQQYLHDA LGEFIKALYE SDENCEVDPS KCSSSELIDH QSNLKMCCEL AFCKIINSYC VFPRELKEVF ASWKQQCLNR GKQDISERLI SASLFLRFLC PAIMSPSLFN LMQEYPDDRT SRTLTLIAKV IQNLANFAKF GNKEEYMAFM NDFLEHEWGG MKRFLLEISN PDTISNTPGF DGYIDLGREL SVLHSLLWEV VSQLDK
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	143,899 Da
Sequence Positions	164-589aa, Partial
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.
OMIM	606136
3D Structure	ModBase 3D Structure for Q9UJF2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RASAL2 recombinant protein	This gene encodes a protein that contains the GAP-related domain (GRD), a characteristic domain of GTPase-activating proteins (GAPs). GAPs function as activators of Ras superfamily of small GTPases. This protein is able to complement the defective RasGAP function in a yeast system. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Other Notes	Small volumes of RASAL2 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.
Searchable Terms for RASAL2 purchase	MBS1391390 is a recombinant protein targeting RASAL2. Also known as Recombinant Human Ras GTPase-activating protein nGAP (RASAL2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RASAL2. It may not necessarily be applicable to this product.

NCBI GI #	4758808
NCBI GeneID	9462
NCBI Accession #	NP_004832.1
UniProt Primary Accession #	Q9UJF2
UniProt Secondary Accession #	O95174; Q2TB22; Q5TFU9; F8W755
UniProt Related Accession #	Q9UJF2
GenBank Nucleotide #	NM_004841.3
NCBI Official Full Name	ras GTPase-activating protein nGAP isoform 1
NCBI Official Synonym Full Names	RAS protein activator like 2
NCBI Official Symbol	RASAL2
NCBI Official Synonym Symbols	NGAP
UniProt Protein Name	Ras GTPase-activating protein nGAP
UniProt Synonym Protein Names	RAS protein activator-like 2
Protein Family	Ras GTPase-activating protein
UniProt Gene Name	RASAL2
UniProt Synonym Gene Names	NGAP
NCBI Protein Information	ras GTPase-activating protein nGAP
NCBI Summary for RASAL2	This gene encodes a protein that contains the GAP-related domain (GRD), a characteristic domain of GTPase-activating proteins (GAPs). GAPs function as activators of Ras superfamily of small GTPases. The protein encoded by this gene is able to complement the defective RasGAP function in a yeast system. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
UniProt Comments for RASAL2	Inhibitory regulator of the Ras-cyclic AMP pathway.
Research Articles on RASAL2	**1.** Furthermore, overexpression of miR-203 exhibited a similar effect to RASAL2 knockdown in hepatocellular carcinoma (HCC) cells. These results indicated that RASAL2 serves a tumor oncogenic role in HCC and may be considered a potential target in HCC.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.