Puratrophin-1 (PLEKHG4) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Puratrophin-1 (PLEKHG4), Recombinant Protein
Full Product Name	Recombinant Human Puratrophin-1 (PLEKHG4) , partial
Product Gene Name	PLEKHG4 recombinant protein
Product Synonym Gene Name	PLEKHG4
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	20,247 Da
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	609526
3D Structure	ModBase 3D Structure for Q58EX7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PLEKHG4 recombinant protein	This protein contains multiple domains suggestive of a role in intracellular signaling and cytoskeleton dynamics at the Golgi apparatus. Mutations in this gene are associated with spinocerebellar ataxia 16q22-linked. Several alternatively spliced transcript variants, differing only in the 5 UTR, or encoding a different isoform, have been found for this gene.
Other Notes	Small volumes of PLEKHG4 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 PLEKHG4 purchase	MBS1389668 is a recombinant protein targeting PLEKHG4. Also known as Recombinant Human Puratrophin-1 (PLEKHG4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLEKHG4. It may not necessarily be applicable to this product.

NCBI GI #	193211594
NCBI GeneID	25894
NCBI Accession #	NP_001123199.1
UniProt Primary Accession #	Q58EX7
UniProt Secondary Accession #	Q4G0J8; Q4H485; Q56A69; Q9H7K4; Q9UFW0

UniProt Related Accession #	Q58EX7
GenBank Nucleotide #	NM_001129727.2
NCBI Official Full Name	puratrophin-1 isoform 1
NCBI Official Synonym Full Names	pleckstrin homology and RhoGEF domain containing G4
NCBI Official Symbol	PLEKHG4
NCBI Official Synonym Symbols	SCA4; PRTPHN1; ARHGEF44
UniProt Protein Name	Puratrophin-1
UniProt Synonym Protein Names	Pleckstrin homology domain-containing family G member 4; PH domain-containing family G member 4; Purkinje cell atrophy-associated protein 1
Protein Family	Puratrophin
UniProt Gene Name	PLEKHG4
UniProt Synonym Gene Names	PRTPHN1; PH domain-containing family G member 4
NCBI Protein Information	puratrophin-1
NCBI Summary for PLEKHG4	The protein encoded by this gene can function as a guanine nucleotide exchange factor (GEF) and may play a role in intracellular signaling and cytoskeleton dynamics at the Golgi apparatus. Polymorphisms in the region of this gene have been found to be associated with spinocerebellar ataxia in some study populations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
UniProt Comments for PLEKHG4	Possible role in intracellular signaling and cytoskeleton dynamics at the Golgi.
Research Articles on PLEKHG4	**1.** Role of the guanine nucleotide exchange factor in Akt2-mediated plasma membrane translocation of GLUT4 in insulin-stimulated skeletal muscle.
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.
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