Pleckstrin Homology Domain-Containing Family F Member 1 (PLEKHF1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pleckstrin homology domain-containing family F member 1 (Plekhf1), Recombinant Protein
Full Product Name	Recombinant Rat Pleckstrin homology domain-containing family F member 1 (Plekhf1)
Product Gene Name	Plekhf1 recombinant protein
Product Synonym Gene Name	Plekhf1
Sequence	MVDHLANTEI NSQRIAAVEN CFGASGQPLA LPGRVLLGEG VLTKECRKKA KPRIFFLFND ILVYGSIVLS KRKYRSQHII PLEEVTLEPL PETLQAKNRW MIKTAKKSFV VSAASTTERQ EWISHIEECV RRQLLATGRQ PTTEHAAPWI PDKATDICMR CTQTRFSALT RRHHCRKCGF VVCAECSRER FLLPRLSPKP LRVCSLCYRE LAAQKRREEA KERFRGSPGQ LTHLGSTMCG ASSGDDDDSD EDREGSGDGD WPTQVEFYAS GVSWSAFHS
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	31,441 Da
Sequence Positions	1-279, full length protein
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 Q68FU1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Plekhf1 recombinant protein	MBS1423043 is a recombinant protein targeting Plekhf1. Also known as Recombinant Rat Pleckstrin homology domain-containing family F member 1 (Plekhf1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Plekhf1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Plekhf1. It may not necessarily be applicable to this product.

NCBI GI #	61557100
NCBI GeneID	308543
NCBI Accession #	NP_001013166.1
UniProt Primary Accession #	Q68FU1

UniProt Related Accession #	Q68FU1
GenBank Nucleotide #	NM_001013148.1
NCBI Official Full Name	pleckstrin homology domain-containing family F member 1
NCBI Official Synonym Full Names	pleckstrin homology and FYVE domain containing 1
NCBI Official Symbol	Plekhf1
UniProt Protein Name	Pleckstrin homology domain-containing family F member 1
Protein Family	Pleckstrin homology domain-containing family
UniProt Gene Name	Plekhf1
UniProt Synonym Gene Names	PH domain-containing family F member 1
NCBI Protein Information	pleckstrin homology domain-containing family F member 1
UniProt Comments for Plekhf1	May induce apoptosis through the lysosomal-mitochondrial pathway. Translocates to the lysosome initiating the permeabilization of lysosomal membrane (LMP) and resulting in the release of CTSD and CTSL to the cytoplasm. Triggers the caspase-independent apoptosis by altering mitochondrial membrane permeabilization (MMP) resulting in the release of PDCD8 ().
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