Erlin-2 (ERLIN2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Erlin-2 (Erlin2), Recombinant Protein
Full Product Name	Recombinant Mouse Erlin-2 (Erlin2), partial
Product Gene Name	Erlin2 recombinant protein
Product Synonym Gene Name	Erlin2
Sequence	MAQLGAVVAV ASSFFCASLF SAVHKIEEGH IGVYYRGGAL LTSTSGPGFH LMLPFITSYK SVQTTLQTDE VKNVPCGTSG GVMIYFDRIE VVNFLVPNAV YDIVKNYTAD YDKALIFNKI HHELNQFCSV HTLQEVYIEL FDQIDENLKL ALQQDLTSMA PGLVIQAVRV TKPNIPEAIR RNYELMESEK TKLLIAAQKQ KVVEKEAETE RKKALIEAEK VAQVAEITYG QKVMEKETEK KISEIEDAAF LAREKAKADA ECYTALKIAE ANKLKLTPEY LQLMKYKAIA SNSKIYFGKD IPNMFMDSAG GLGKQFEGLS DDKLGFGLED EPLEAPTKEN
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	37,873 Da
Sequence Positions	1-340
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 Q8BFZ9
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Erlin2 recombinant protein	MBS1462453 is a recombinant protein targeting Erlin2. Also known as Recombinant Mouse Erlin-2 (Erlin2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Erlin2 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 Erlin2. It may not necessarily be applicable to this product.

NCBI GI #	23956396
NCBI GeneID	244373
NCBI Accession #	NP_705820.1
UniProt Primary Accession #	Q8BFZ9
UniProt Secondary Accession #	Q8BML8

UniProt Related Accession #	Q8BFZ9
GenBank Nucleotide #	NM_153592.2
NCBI Official Full Name	erlin-2
NCBI Official Synonym Full Names	ER lipid raft associated 2
NCBI Official Symbol	Erlin2
NCBI Official Synonym Symbols	Spfh2; C87251; BC036333
UniProt Protein Name	Erlin-2
UniProt Synonym Protein Names	Endoplasmic reticulum lipid raft-associated protein 2; Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2; SPFH domain-containing protein 2
Protein Family	Erlin
UniProt Gene Name	Erlin2
UniProt Synonym Gene Names	Spfh2; SPFH domain-containing protein 2
NCBI Protein Information	erlin-2
UniProt Comments for Erlin2	Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs) such as ITPR1. Promotes sterol-accelerated ERAD of HMGCR probably implicating an AMFR/gp78-containing ubiquitin ligase complex. Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. May promote ER retention of the SCAP-SREBF complex ().
Research Articles on Erlin2	**1.** 2 MDa erlin1/2 complex is composed of an assemblage of lower-order hetero-oligomers, probably heterotrimers, linked together by assembly domain hydrophobic residues.
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