ERO1-Like Protein Alpha (ero1l) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	ERO1-like protein alpha (ero1l), Recombinant Protein
Full Product Name	Recombinant Danio rerio ERO1-like protein alpha (ero1l)
Product Gene Name	ero1l recombinant protein
Product Synonym Gene Name	ero1l
Sequence	GSAAHRCFCQ VTGTLDDCAC DVETIDKFNN KDIFPKLQKL LSSDYFRFYK VNLNNGCPFW TDHSQCGLKY CAVKPCSPDE VPEGLKSSSY KYSEKASHDT EECEKAEKLG AVNGSLSDET RQALEEWKKY DDESDRFCML DDEDSPESQY VDLLLNPERF TGYKGAEAWR IWNSIYEENC FKPYSVNRPL NPLASNSGDD GQGFYRWLEG LCVEKRAFFR LISGLHASIN IHLSARYLLD ENWFEMKWGH NVSEFQQRFD EDLTKGEGPK RLRNLYFLYL IELRALAKIL PYFERSTFQL YTGQDTQDDQ NKKLLLELLH VAKSFPLHFD ETALFAGNNK EAMKLKEDFK LTFKNISRIM DCVECFKCRL WGKLQTQGLG TALKILFSER QIEAMPNKQH QSIISAQSAG NCVFVQRFRK NLHKCQRVEE LQIVVVETQT VTVKMFQERA TVQTDMHKHM TFPMFGYIQ
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	56,589 Da
Sequence Positions	21-489, 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 Q7T3D1
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ero1l recombinant protein	MBS1328950 is a recombinant protein targeting ero1l. Also known as Recombinant Danio rerio ERO1-like protein alpha (ero1l). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ero1l 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 ero1l. It may not necessarily be applicable to this product.

NCBI GI #	82188248
NCBI GeneID	393321
NCBI Accession #	Q7T3D1.1
UniProt Primary Accession #	Q7T3D1

UniProt Related Accession #	Q7T3D1
NCBI Official Full Name	ERO1-like protein alpha
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase alpha
NCBI Official Symbol	ero1a
NCBI Official Synonym Symbols	ero1l; ERO1-L; zgc:63959
UniProt Protein Name	ERO1-like protein alpha
UniProt Synonym Protein Names	Endoplasmic reticulum oxidoreductase alpha
Protein Family	Ero1-like protein
UniProt Gene Name	ero1a
UniProt Synonym Gene Names	ERO1-L; ERO1-L-alpha
NCBI Protein Information	ERO1-like protein alpha
UniProt Comments for ero1l	Oxidoreductase involved in disulfide bond formation in the endoplasmic reticulum. Efficiently reoxidizes P4HB/PDI, the enzyme catalyzing protein disulfide formation, in order to allow P4HB to sustain additional rounds of disulfide formation. Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. Required for the folding of immunoglobulins ().
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