ERO1-Like Protein Beta (ERO1LB) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ERO1-like protein beta (ERO1LB), Recombinant Protein
Full Product Name	Recombinant Human ERO1-like protein beta (ERO1LB)
Product Gene Name	ERO1LB recombinant protein
Product Synonym Gene Name	ERO1LB
Sequence	QVTGVLDDCL CDIDSIDNFN TYKIFPKIKK LQERDYFRYY KVNLKRPCPF WAEDGHCSIK DCHVEPCPES KIPVGIKAGH SNKYLKMANN TKELEDCEQA NKLGAINSTL SNQSKEAFID WARYDDSRDH FCELDDERSP AAQYVDLLLN PERYTGYKGT SAWRVWNSIY EENCFKPRSV YRPLNPLAPS RGEDDGESFY TWLEGLCLEK RVFYKLISGL HASINLHLCA NYLLEETWGK PSWGPNIKEF KHRFDPVETK GEGPRRLKNL YFLYLIELRA LSKVAPYFER SIVDLYTGNA EEDADTKTLL LNIFQDTKSF PMHFDEKSMF AGDKKGAKSL KEEFRLHFKN ISRIMDCVGC DKCRLWGKLQ TQGLGTALKI LFSEKEIQKL PENSPSKGFQ LTRQEIVALL NAFGRLSTSI RDLQNFKVLL QHSR
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	16,096 Da
Sequence Positions	34-467, 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.
OMIM	615437
3D Structure	ModBase 3D Structure for Q86YB8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ERO1LB recombinant protein	MBS1479915 is a recombinant protein targeting ERO1LB. Also known as Recombinant Human ERO1-like protein beta (ERO1LB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ERO1LB 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 ERO1LB. It may not necessarily be applicable to this product.

NCBI GI #	239582761
NCBI GeneID	56605

NCBI Accession #	NP_063944.3
UniProt Primary Accession #	Q86YB8
UniProt Secondary Accession #	Q5T1H4; Q8IZ11; Q9NR62; B4DF57
UniProt Related Accession #	Q86YB8
GenBank Nucleotide #	NM_019891.3
NCBI Official Full Name	ERO1-like protein beta
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase 1 beta
NCBI Official Symbol	ERO1B
NCBI Official Synonym Symbols	ERO1LB; Ero1beta
UniProt Protein Name	ERO1-like protein beta
UniProt Synonym Protein Names	Endoplasmic reticulum oxidoreductase beta
UniProt Gene Name	ERO1B
UniProt Synonym Gene Names	ERO1-L-beta
NCBI Protein Information	ERO1-like protein beta
UniProt Comments for ERO1LB	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. Other protein disulfide isomerase family members can also be reoxidized, but at lower rates compared to P4HB, including PDIA2 (50% of P4HB reoxidation rate), as well as PDIA3, PDIA4, PDIA6 and NXNDC12 (<10%). Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. May be involved in oxidative proinsulin folding in pancreatic cells, hence may play a role in glucose homeostasis.
Research Articles on ERO1LB	**1.** This peptide, Ac-VDTTD-AFC, was efficiently cleaved by purified caspase-2 and auto-activating caspase-2 in mammalian cells, and exhibited better selectivity for caspase-2 relative to caspase-3 than reagents that are currently available.
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.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/ero1-like-protein-beta-ero1lb/1479915