

EPO1L recombinant protein

EPO1L, 24-468aa, Human, His tag, E Coli

CATALOG # AAA48873	HOST E Coli	APPLICATIONS SDS-Page
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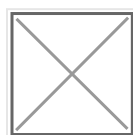
PRODUCT SYNONYMS

EPO1L; 24-468aa; Human; His tag; E Coli; ERO1-like protein alpha; ERO1-alpha; ERO1A; EPO1L recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSEEQPPET AAQRCFCQVS GYLDDCTCDV ETIDRFNNYR LFPRLQKLE SDYFRYYKVN LKRPCPFWND ISQCGRRDCA VKPCQSDEVP DGIKSASYKY SEEANNLIEE CEQAERLGAV DESLSEETQK AVLQWTKHDD SSDNFCEADD IQSPEAEYVD LLLNPERYTG YKGPDAWKIW NVIYEENCFK PQTIKRPLNP LASGQGTSEE NTFYSWLEGL CVEKRAFYRL ISGLHASINV HLSARYLLQE TWLEKKWGHN ITEFQQRFDG ILTEGEGPRR LKNLYFLYLI ELRALSKVLP FFERPDFQLF TGNKIQDEEN KMLLLEILHE IKSFPLHFDE NSFFAGDKKE AHKLKEDFRL HFRNISRIMD CVGCFKCRLW GKLTQQLGT ALKILFSEKL IANMPESGPS YEFHLTRQEI VSLFNAFGRI STSVKELENF RNLLQNIH
Sequence Length	468
Applicable Applications for EPO1L recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EPO1L recombinant protein	ERO1-like protein alpha, also known as EPO1L, is an essential oxidoreductase that oxidizes proteins and is required for the folding of immunoglobulins. EPO1L covalently binds with PDI (protein disulfide-isomerase) and together they produce disulfide bonds between proteins in the endoplasmic reticulum. EPO1L is stimulated by hypoxia, suggesting that it is regulated through the HIF (hypoxia inducible transcription factor) pathway. EPO1L is ubiquitously expressed at low levels but expressed at high levels in upper digestive tract and esophagus. Recombinant human EPO1L protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
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Product Categories/Family for EPO1L recombinant protein	Signal Transduction
References	Otsu M., et al. (2006) Antioxid. Redox Signal. 8: 274-282.; Gess B., et al. (2003) J Biochem. 270: 2228-2235.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657069
NCBI GeneID	30001
NCBI Accession #	NP_055399
NCBI GenBank Nucleotide #	NM_014584.2
UniProt Accession #	Q96HE7; Q7LD45; Q9P1Q9; Q9UKV6; A8K9X4; A8MYW1
Molecular Weight	54.4 kDa (468aa)
NCBI Official Full Name	ERO1-like protein alpha
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase 1 alpha
NCBI Official Symbol	ERO1A
NCBI Official Synonym Symbols	ERO1L; ERO1-L; ERO1LA; Ero1alpha; ERO1-alpha; ERO1-L-alpha
NCBI Protein Information	ERO1-like protein alpha
UniProt Protein Name	ERO1-like protein alpha
UniProt Gene Name	ERO1A
UniProt Synonym Gene Names	ERO1-L; ERO1-L-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.