

Product datasheet

Recombinant human ERp72 protein ab206794

1 Image

Description

Product name	Recombinant human ERp72 protein
Biological activity	Specific activity > 5 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.
Purity	> 90 % SDS-PAGE. ab206794 was expressed in E.coli and purified by using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P13667</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMVAGAEGPDEDSSNREN AIEDEEEEEEEEDD DEEEDDLEVKEENGVLVLNDANFDNFVADKDTVLLEFYA PWC GH CKQFAP EYEKIANILKDKDPPIPVAKIDATSASVLASRFDVSGYPTIKI LKKGQAV DYEGSRTQEEIVAKVREVSQPDWTPPEVTLVLTKENFD E V VNDADILV EFYAPW CGH CKKLAPEYEKAAKELSKRSPPIPLAKVDAT AETDLAKRFDV SGYPTLKIFRKGRPYD Y NGPREKYGMDY M IEQSGPPSKEIL TLKQVQEF LKDGD D VIIIGVFKGESDPAYQQYQDAAN N LREDYKFHHTF STEIAKFLK VSQ Q LVVMQPEK F QSKYEPRSHMMDVQGSTQDSA I KD FVLKYALPLVGH RKVSND A KRYTRRPLVVVYYSVDF S FDYRAATQFWRSKV LEVAKDFPEYT FAIADEEDYAGEVKDLGLSESGEDVNAAILDESGKKFAME PEEFDS D TLR

EFVTAFKKGKLPVIKSQVPKNNKGPVKVVVGKTFDSIV
MDPKKDVLIE
FYAPWCGHCKQLEPVYNSLAKKYKGQKGLVIAKMDATAN
DVPSDRYKVEG
FPTIYFAPSGDKKNPVKFEGGDRDLEHLSKFIEEHATKLSR
TKEEL

Predicted molecular weight	73 kDa including tags
Amino acids	21 to 645
Tags	His tag N-Terminus
Additional sequence information	NP_004902. Mature protein without signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab206794** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry Functional Studies SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

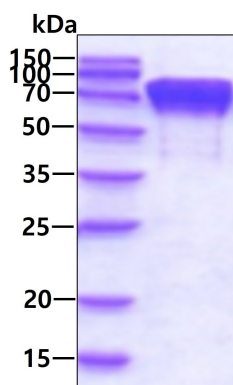
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 0.02% DTT, 10% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Sequence similarities	Belongs to the protein disulfide isomerase family. Contains 3 thioredoxin domains.
Cellular localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



SDS-PAGE analysis of ab206794 (3 µg) under reducing condition and visualized by coomassie blue stain.

SDS-PAGE - Recombinant human ERp72 protein
(ab206794)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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