

Product datasheet

Recombinant Human EDJ protein ab105636

1 Image

Description

Product name	Recombinant Human EDJ protein	
Purity	> 90 % SDS-PAGE. Purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	<u>Q9UBS4</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHHSSGLVPRGSHMGRDFYKILGVPRASIKDI KKAYRKLALQ LHPDRNPDDPQAQEKFQDLGAAYEVLSDSEKRKQYDTY GEEGLKDGHQSS HGDIFSHFFGDFGFMFGGTPRQQDRNIPRGSDIMDLEVTL EEVYAGNFV EVVRNKPVARQAPGKRKCNCRQEMRTTQLGPGRFQMTQ EVVCDECPNVKL VNEERTLEVEIEPGVRDGMETPFIGEGEPHVDGEPGLDRF RIKVVKHPIF ERRGDDLVTNVTISLVESLVGFEMDITHLDGHKVHISRDKIT RPGAKLWK KGEGLPNFDNNNIKGSLITFDVDFPKEQLTEEAREGIKQLL KQGSVQKV YNGLQGY	
Predicted molecular weight	41 kDa including tags	
Amino acids	23 to 358	
Tags	His tag N-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab105636** in the following tested applications.

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

Applications SDS-PAGE

	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	Previously labelled as DNAJB11.

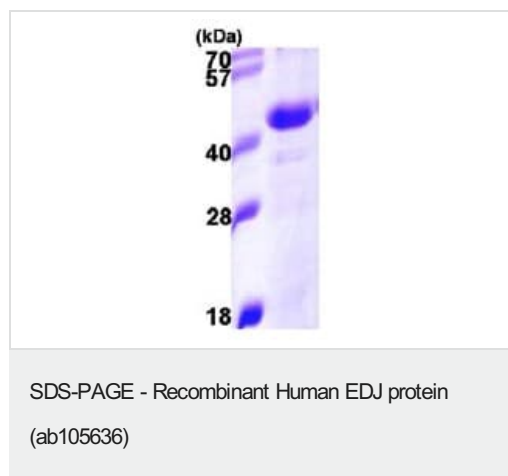
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0308% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	Serves as a co-chaperone for HSPA5. Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed. May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity.
Tissue specificity	Widely expressed.
Sequence similarities	Contains 1 J domain.
Post-translational modifications	Contains high-mannose Endo H-sensitive carbohydrates. Cys-169, Cys-171, Cys-193 and Cys-196 form intramolecular disulfide bonds. The preferential partner for each Cys is not known. Thr-188 was reported (PubMed:17525332) to be phosphorylated upon DNA damage by ATM or ATR; however as this position has been shown to be in the ER lumen, the in vivo relevance is not proven.
Cellular localization	Endoplasmic reticulum lumen. Associated with the ER membrane in a C-terminally epitope-tagged construct.

Images



15% SDS-PAGE analysis of ab105636 (3ug)

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