

Recombinant Human UAP56 protein ab99297

1 Image

Description	
Product name	Recombinant Human UAP56 protein
Purity	> 90 % SDS-PAGE. ab99297 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q13838</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<div>MGSSHHHHHHSSGLVPRGSHMAENDVDNELLDYEDDE</div> <div>VETAAGGDGAEAP</div> <div>AKKDVKGSYVSIHSSGFRDFLLKPELLRAVDCGFEHPSE</div> <div>VQHECIPQAI</div> <div>LGMDVLCQAKSGMGKTAVFVLATLQQLEPVTGQVSVLV</div> <div>MCHTRELAFAQIS</div> <div>KEYERFSKYMPNVKVAVFFGGLSIKKDEEVLKKNCPHIV</div> <div>GTPGRILALA</div> <div>RNKSLNLKHIKHFILDECCKMLEQLDMRRDVQEIFRMTPH</div> <div>EKQVMMFSAT</div> <div>LSKEIRPVCRKFMQDPMEIFVDDETKLT LHGLQQYYVKLK</div> <div>DNEKNRKLF</div> <div>LLDVLEFNQVVIFVKSQRCIALAQLLVEQNFPAAIHRGMP</div> <div>QEERLSRY</div> <div>QQFKDFQRRILVATNLFGRGMDIERVNIAFNYPEDSDTY</div> <div>LHRVARAGR</div> <div>FGTKGLAITFVSDENDAKILNDVQDRFEVNISELPDEIDISS</div> <div>YIEQTR</div>
Predicted molecular weight	51 kDa including tags
Amino acids	1 to 428
Tags	His tag N-Terminus
Specifications	

Our **Abpromise guarantee** covers the use of **ab99297** 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

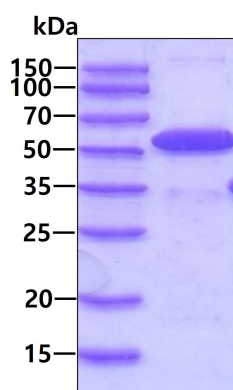
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	<p>Component of the THO subcomplex of the TREX complex. The TREX complex specifically associates with spliced mRNA and not with unspliced pre-mRNA. It is recruited to spliced mRNAs by a transcription-independent mechanism. Binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export. The recruitment occurs via an interaction between THOC4 and the cap-binding protein NCBP1. DDX39B functions as a bridge between THOC4 and the THO complex. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production. The recruitment of the TREX complex to the intronless viral mRNA occurs via an interaction between KSHV ORF57 protein and THOC4.</p> <p>Splice factor that is required for the first ATP-dependent step in spliceosome assembly and for the interaction of U2 snRNP with the branchpoint. Has both RNA-stimulated ATP binding/hydrolysis activity and ATP-dependent RNA unwinding activity. Even with the stimulation of RNA, the ATPase activity is weak. Can only hydrolyze ATP but not other NTPs. The RNA stimulation of ATPase activity does not have a strong preference for the sequence and length of the RNA. However, ssRNA stimulates the ATPase activity much more strongly than dsRNA. Can unwind 5' or 3' overhangs or blunt end RNA duplexes in vitro. The ATPase and helicase activities are not influenced by U2AF2 and THOC4.</p>
Sequence similarities	<p>Belongs to the DEAD box helicase family. DECD subfamily.</p> <p>Contains 1 helicase ATP-binding domain.</p> <p>Contains 1 helicase C-terminal domain.</p>
Domain	The helicase C-terminal domain mediates interaction with THOC4.
Cellular localization	Nucleus. Nucleus speckle.

Images



SDS-PAGE - Recombinant Human UAP56 protein
(ab99297)

3ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

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

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