abcam

Product datasheet

Recombinant Human EXOSC8 protein ab180278

1 Image

Description

Product name	Recombinant Human EXOSC8 protein
Purity	> 90 % SDS-PAGE. ab180278 is purified using conventional chromatography.
Expression system	Escherichia coli
Accession	**Q96B26**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAAGFKTVEPLEYYR RFLKENCRPDGR ELGEFRTTTVNIGSISTADGSALVKLGNTTVICGVKAEFAAP STDAPDKG YVVPNVDLPPLCSSRFRSGPPGEEAQVASQFIADVIENSQ IIQKEDLCIS PGKLVWVLYCDLICLDYDGNILDACTFALLAALKNVQLPEV TINEETALA EVNLKKKSYLNIRTHPVATSFAVFDDTLLIVDPTGEEEHLA TGTLTIVMD EEGKLCCLHKPGGSGLTGAKLQDCMSRAVTRHKEVKKL MDEVIKSMKPK
Predicted molecular weight	32 kDa including tags
Amino acids	1 to 276
Tags	His tag N-Terminus
Additional sequence information	NP_852480.

Specifications

Our **Abpromise guarantee** covers the use of **ab180278** 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

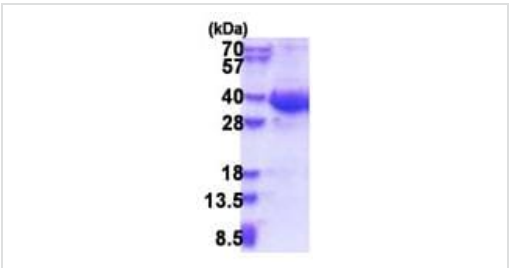
Preparation and Storage

Stability and Storage	Shipped at 4°C. 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: 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine), 1.17% Sodium chloride, 0.02% DTT

General Info

Function	Non-catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes. EXOSC8 binds to ARE-containing RNAs.
Sequence similarities	Belongs to the RNase PH family.
Cellular localization	Cytoplasm. Nucleus. Nucleus > nucleolus.

Images



SDS-PAGE - Recombinant Human EXOSC8 protein (ab180278)

15% SDS-PAGE analysis of ab180278 (3µg).

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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