

Recombinant human EXOSC8 protein

Catalog Number: ATGP2629

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-276aa

UniProt No.

Q96B26

NCBI Accession No.

NP_852480

Alternative Names

Exosome complex component RRP43, bA421P11.3, CIP3, EAP2, OIP2, p9, RP11- 421P11.3, RRP43, Rrp43p

PRODUCT SPECIFICATION

Molecular Weight

32.4 kDa (299aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol 0.2M NaCl,1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

EXOSC8, also known as exosome component 8 and transcription factor 4, is a part of the exosome complex. 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. EXOSC8 binds to ARE-containing RNAs. Recombinant human EXOSC8 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

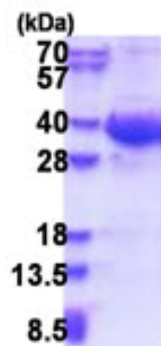
MGSSHHHHHH SSGLVPRGSH MGSMAAGFKT VEPLEYRRF LKENCPRDGR ELGEFRTTIV NIGSISTADG SALVKLGNTT
VICGVKAEFA APSTDAPDKG YVVPNVDLPP LCSSRFRRSGP PGEEAQVASQ FIADVIENSQ IIQKEDLCIS PGKLVWVLYC
DLICLDYDGN ILDACTFALL AALKNVQLPE VTINEETALA EVNLKKKSYL NIRTHPVATS FAVFDDTLII VDPTGEEHL
ATGTLTIVMD EEGKLCCLHK PGGSGLTGAK LQDCMSRAVT RHKEVKKLM D EVIKSMKPK

General References

Andersen JS. et al. (2005) Nature. 433:77-83
Gerhard DS. et al. (2004) Gerhard DS. 14 : 2121-2127.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)