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Recombinant human EXOSC3 protein

Catalog Number: ATGP2703

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-275aa

UniProt No.

O9NOT5

NCBI Accession No.

NP 057126

Alternative Names

exosome complex component RRP40 isoform 1, bA3J10.7, CGI-102, hRrp-40, p10, PCH1B, RP11-3J10.8, RRP40, Rrp40p

PRODUCT SPECIFICATION

Molecular Weight

32.0 kDa (298aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity

> 85% 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

EXOSC3 is a non-catalytic component of the human exosome, a complex with 3'-5' exoribonuclease activity that plays a role in numerous RNA processing and degradation activities. Related pseudogenes of this gene are found on chromosome 19 and 21. Alternatively spliced transcript variants encoding different isoforms have been described. Recombinant human EXOSC3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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Amino acid Sequence

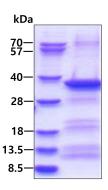
<MGSSHHHHHH SSGLVPRGSH MGS>MAEPASV AAESLAGSRA RAARTVLGQV VLPGEELLLP EQEDAEGPGG AVERPLSLNA RACSRVRVVC GPGLRRCGDR LLVTKCGRLR HKEPGSGSGG GVYWVDSQQK RYVPVKGDHV IGIVTAKSGD IFKVDVGGSE PASLSYLSFE GATKRNRPNV QVGDLIYGQF VVANKDMEPE MVCIDSCGRA NGMGVIGQDG LLFKVTLGLI RKLLAPDCEI IQEVGKLYPL EIVFGMNGRI WVKAKTIQQT LILANILEAC EHMTSDQRKQ IFSRLAES

General References

Mukherjee D., et al (2002). EMBO J. 21:165-174 van Dijk E.L., et al (2007). RNA 13:1027-1035

DATA

SDS-PAGE



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

