

# Recombinant human EXOSC3 protein

Catalog Number: ATGP2703

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-275aa

### UniProt No.

Q9NQT5

### 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

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### 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

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### 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

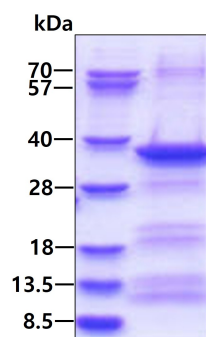
<MGSSHHHHHH SSGLVPRGSH MGS>MAEPASV AAESLAGSRA RAARTVLGQV VLPGEELLP EQEDAEGPGG  
AVERPLSLNA RACSRVRVVC GPGLRRCGDR LLVTKCGRLR HKEPGSGSGG GYYWVDSQK RYVPVKGDHV IGIVTAKSGD  
IFKVDVGGSE PASLSYLSFE GATKRNRPNV QVGDLIYGQF VVANKDMEPE MVCIDSCGRA NGMGVIGQDG LLFKVTLGLI  
RKLLAPDCEI IQEVGKLYPL EIVFGMNGRI WVKAKTIQQT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



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.