

Recombinant human EXOSC1 protein

Catalog Number: ATGP2723

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-195aa

UniProt No.

Q9Y3B2

NCBI Accession No.

NP_057130

Alternative Names

Exosome complex component CSL4, Exosome component 1, CGI-108, CSL4, Csl4p, hCsl4p, p13, RP11-452K12.9, SKI4, Ski4p

PRODUCT SPECIFICATION

Molecular Weight

23.8 kDa (218aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 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

EXOSC1 is a core component of the exosome. The mammalian exosome is required for rapid degradation of Au rich element-containing RNAs but not for poly (A) shortening. The association of this protein with the exosome is mediated by protein-protein interactions with ribosomal RNA-processing protein 42 and ribosomal RNA-processing protein 46. Recombinant human EXOSC1 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

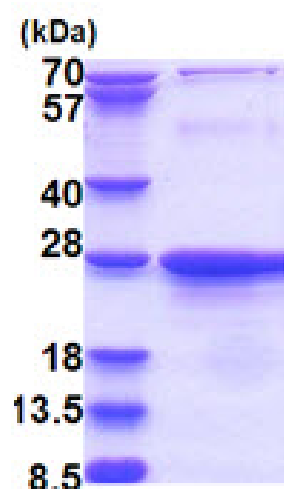
MGSSHHHHHH SSGLVPRGSH MGSMAPPVRY CIPGERLCNL EEGSPGSGTY TRHGYIFSSL AGCLMKSSSEN GALPVVSVVR
ETESQLLPDV GAIVTCKVSS INSRFAKVHI LYVGSMPLKN SFRGTIRKED VRATEKDKVE IYKSFRPGDI VLAKVISLGD
AQSNYLLTTA ENELGVVVAH SESGIQMVPI SWCEMQCPKT HTKEFRKVAR VQPEFLQT

General References

Lai C.-H., Chou C.-Y., et al. (2000) Genome Res. 10:703-713

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)