

Recombinant human EXOSC5 protein

Catalog Number: ATGP1458

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-235aa

UniProt No.

Q9NQT4

NCBI Accession No.

NP_064543.3

Alternative Names

Exosome complex component RRP46, hRrp46p, p12B, RRP41B, RRP46, Rrp46p

PRODUCT SPECIFICATION

Molecular Weight

27.5 kDa (256aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 2mM DTT, 30% glycerol, 200mM NaCl

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

EXOSC5, also known as exosome component 5, belongs to the RNase PH family. EXOSC5 has been shown to interact with Exosome component 8 and Exosome component 1. It is 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. It highly expressed in a variety of hematopoietic and epithelial tumor cell lines, but not in normal hematopoietic tissues or other normal tissue, with the exception of testis. Recombinant human EXOSC5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>MEEETHDA KIRAENGTGS SPRGPGCSLR HFACEQNLLS RPDGSASFLQ
GDTSVLAGVY GPAEVKVSKE IFNKATLEVI LRPKIGLPGV AEKSRELRIR NTCEAVVLGT LHPRTSITVV LQVSDAGSL
LACCLNAACM ALVDAGVPMR ALFCGVACAL DSDGTLVLDP TSKQEKEARA VLTFALDSVE RKLLMSSTKG LYSDELQQC
LAAAQAASQH VFRFYRESLQ RRYSKS

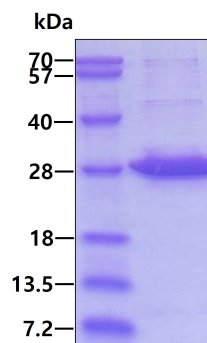
General References

Mukherjee D., et al. (2002) EMBO J. 21:165-174

Basu u., et al. (2011) Cell 144:353-363

DATA

SDS-PAGE



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