Product information

EXOSC5, 1-235aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1458

Full name: Exosome complex component RRP46

NCBI Accession No.: NP_064543

**Synonyms:** hRrp46p, p12B, RRP41B, RRP46, Rrp46p

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 conventional chromatography techniques.

Form: Liquid. In PBS (pH 7.4) containing 2mM DTT, 30% glycerol, 200mM NaCl

Molecular Weight: 27.5kDa (256aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Bradford assay)

15% SDS-PAGE (3ug)
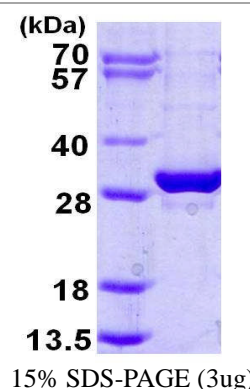
Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MMEEETHTDA KIRAENGTGS SPRGPGCSLR HFACEQNLLS RPDGSASFLQ GDTSVLAGVY GPAEVKVSKE
IFNKATLEVI LRPKIGLPGV AEKSRERLIR NTCEAVVLGT LHPRTSITVV LQVVSDAGSL LACCLNAACM ALVDAGVPMR ALFCGVACAL
DSDGTLVLDP TSKQEKEARA VLTFALDSVE RKLLMSSTKG LYSDTELQQC LAAAQAASQH VFRFYRESLQ RRYSKS

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.