

Recombinant Human EXOSC7, His-tagged

Cat. No. EXOSC7-261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EXOSC7, 1-291aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-291aa
Description	EXOSC7 belongs to the RNase PH family and is a component of the RNA exosome complex. Recombinant human EXOSC7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	34.2 kDa (314aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASVTLS EAEKVYIVHG VQEDLRVDGR GCEDYRCVEV ETDVVSNTSG SARVKLGHTD ILVGVKAEMG TPKLEKPNEG YLEFFVDCSA SATPEFEGRG GDDLGTIEAN TLYRIFNNKS SVDLKTLCIS PREHCWVLYV DVLLLECGGN LFDASIAVK AALFNTRIPR VRVLEDEEGS KDIELSDDPY DCIRLSVENV PCIVTLCKIG YRHVVDATLQ EEACSLASLL VSVTSKGVVT CMRKVGKGS LDPESIFEMME TGKRVGKVLH ASLQSVVHKE ESLGPKRQKV GFLG

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	EXOSC7 exosome component 7 [Homo sapiens]
Official Symbol	EXOSC7
Synonyms	EXOSC7; exosome component 7; exosome complex component RRP42; EAP1; hRrp42p; KIAA0116; p8; RRP42; Rrp42p; exosome complex exonuclease RRP42; ribosomal RNA-processing protein 42; FLJ26543;
Gene ID	23016
mRNA Refseq	NM_015004
Protein Refseq	NP_055819
MIM	606488
UniProt ID	Q15024
Chromosome Location	3p21.32
Pathway	Activation of Genes by ATF4, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by Butyrate

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Response Factor 1 (BRF1), organism-specific biosystem; Destabilization of mRNA by KSRP, organism-specific biosystem; Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;

Function

3-5-exoribonuclease activity; RNA binding; NOT exoribonuclease activity; protein binding;

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