

## Recombinant Human EXOSC1, His-tagged

Cat. No. EXOSC1-230H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	EXOSC1, 1-195aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-195aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	23.8 kDa (218aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSMAPPVRY CIPGERLCNL EEGSPGSGTY TRHGYIFSSL AGCLMKSSSEN GALPVVSVVR ETESQLLPDV GAIVTCKVSS INSRFAKVHI LYVGSMP LKN SFRGTIRKED VRATEKDKVE IYKSF R PGDI VLAKVISLGD AQSNYLLTTA ENELGVVVAH SESGIQMVPI SWCEMQCPKT

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HTKEFRKVAR VQPEFLQT

**Purity** >90% 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** 0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [EXOSC1](#) [exosome component 1 \[ Homo sapiens \]](#)

**Official Symbol** EXOSC1

**Synonyms** EXOSC1; exosome component 1; exosome complex component CSL4; CGI 108; CSL4; CSL4 exosomal core protein homolog (yeast); Csl4p; hCsl4p; p13; SKI4; Ski4p; exosomal core protein CSL4; 3-5 exoribonuclease CSL4 homolog; CSL4 exosomal core protein homolog; homolog of yeast exosomal core protein CSL4; CGI-108; RP11-452K12.9;

**Gene ID** [51013](#)

**mRNA Refseq** [NM\\_016046](#)

**Protein Refseq** [NP\\_057130](#)

**MIM** [606493](#)

**UniProt ID** [Q9Y3B2](#)

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<b>Chromosome Location</b>	10q24
<b>Pathway</b>	Activation of Genes by ATF4, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by Butyrate 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;
<b>Function</b>	RNA binding; NOT exoribonuclease activity; protein binding;

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