Recombinant Human EXOSC1, His-tagged

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

SPECIFICATION

Product Overview	EXOSC1, 1-195aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-195aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	23.8 kDa (218aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPPVRY CIPGERLCNL EEGSPGSGTY TRHGYIFSSL AGCLMKSSEN GALPVVSVVR ETESQLLPDV GAIVTCKVSS INSRFAKVHI LYVGSMPLKN SFRGTIRKED VRATEKDKVE IYKSFRPGDI 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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Chromosome Location	10q24
Pathway	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;
Function	RNA binding; NOT exoribonuclease activity; protein binding;

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