Recombinant Human exosome component 4, His-tagged

Cat. No. EXOSC4-332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EXOSC4, 1-245aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-245 a.a.
Description	EXOSC4, also known as fetuin-A, belongs to the fetuin class of plasma binding proteins. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. It is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has been postulated that it participates in the development of the tissues. It forms soluble complexes with calcium and phosphate and thus is a carrier of otherwise insoluble calcium phosphate. Recombinant human EXOSC4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	28.8 kDa(268aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGLELL SDQGYRVDGR RAGELRKIQA RMGVFAQADG SAYIEQGNTK ALAVVYGPHE IRGSRARALP DRALVNCQYS SATFSTGERK RRPHGDRKSC EMGLQLRQTF EAAILTQLHP RSQIDIYVQV LQADGGTYAA CVNAATLAVL DAGIPMRDFV CACSAGFVDG TALADLSHVE

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	EAAGGPQLAL ALLPASGQIA LLEMDARLHE DHLERVLEAA AQAARDVHTL LDRVVRQHVR EASILLGD
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	0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	EXOSC4 exosome component 4 [Homo sapiens]
Official Symbol	EXOSC4
Synonyms	EXOSC4; exosome component 4; exosome complex component RRP41; exosome component Rrp41; FLJ20591; hRrp41p; p12A; RRP41; RRP41A; Rrp41p; SKI6; Ski6p; exosome complex exonuclease RRP41; ribosomal RNA-processing protein 41;
Gene ID	54512
mRNA Refseq	NM_019037
Protein Refseq	NP_061910
MIM	606491
UniProt ID	Q9NPD3
Chromosome Location	8q24.3

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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	3-5-exoribonuclease activity; AU-rich element binding; NOT exoribonuclease activity; protein binding;

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