

Recombinant Human EXOSC8, His-tagged

Cat. No. EXOSC8-136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EXOSC8, 1-276aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-276aa
Description	EXOSC8, also known as exosome component 8 and transcription factor 4, is a part of the exosome complex. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. EXOSC8 binds to ARE-containing RNAs. Recombinant human EXOSC8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol 0.2M NaCl, 1mM DTT
Molecular Mass	32.4 kDa (299aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH MGSMAGFKT VEPLEYRFRF LKENCPRDGR ELGEFRTTTV NIGSISTADG SALVKLGNTT VICGVKAEFA APSTDAPDKG YVVPNVDLPP LCSSRFRSGP PGEEAQVASQ FIADVIENSQ IIQKEDLCIS PGKLVWVLYC DLICLDYDGN ILDACTFALL AALKNVQLPE VTINEETALA

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EVNLKKKSYL NIRTHPVATS FAVFDDTLI VDPTGEEHL ATGTLTIVMD
EEGKLCCLHK PGGSGLTGAK LQDCMSRAVT RHKEVKKLMD EVIKSMKPK

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 [EXOSC8](#) [exosome component 8](#) [[Homo sapiens](#)]

Official Symbol EXOSC8

Synonyms EXOSC8; exosome component 8; exosome complex component RRP43; bA421P11.3; CBP interacting protein 3; CIP3; EAP2; OIP2; Opa interacting protein 2; p9; RRP43; Rrp43p; OIP-2; CBP-interacting protein 3; opa-interacting protein 2; exosome complex exonuclease RRP43; ribosomal RNA-processing protein 43; RP11-421P11.3;

Gene ID [11340](#)

mRNA Refseq [NM_181503](#)

Protein Refseq [NP_852480](#)

MIM [606019](#)

UniProt ID [Q96B26](#)

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Chromosome Location	13q13.1
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	AU-rich element binding; RNA binding; NOT exoribonuclease activity; protein binding;

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