

Recombinant Human EXOSC3, His-tagged

Cat. No. EXOSC3-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EXOSC3, 1-275aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-275aa
Description	EXOSC3 is a non-catalytic component of the human exosome, a complex with 3"-5" exoribonuclease activity that plays a role in numerous RNA processing and degradation activities. Related pseudogenes of this gene are found on chromosome 19 and 21. Alternatively spliced transcript variants encoding different isoforms have been described. Recombinant human EXOSC3 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 7.5 containing 0.15M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	32.0 kDa (298aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMAEPASV AAESLAGSRA RAARTVLGQV VLPGEELLLP EQEDAEGPGG AVERPLSLNA RACSRVRVVC GPGLRRCGDR LLVTKCGRLR HKEPGSGSGG GYVWVDSQK RYVPVKGDHV IGIVTAKSGD IFKVDVGGSE PASLSYLSFE GATKRNRPNV QVGDLIYGQF VVANKDMEPE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MVCIDSCGRA NGMGVIGQDG LLFKVTLGLI RKLLAPDCEI IQEVGKLYPL
EIVFGMNGRI WVKAKTIQQT LILANILEAC EHMTSDQRKQ IFSRLAES

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 [EXOSC3](#) [exosome component 3](#) [[Homo sapiens](#)]

Official Symbol EXOSC3

Synonyms EXOSC3; exosome component 3; exosome complex component RRP40; CGI 102; CGI 102 protein; exosome component Rrp40; hRrp 40; hRrp40p; p10; RRP40; Rrp40p; exosome complex exonuclease RRP40; ribosomal RNA-processing protein 40; CGI-102; hRrp-40; bA3J10.7; MGC723; RP11-3J10.8; MGC15120;

Gene ID [51010](#)

mRNA Refseq [NM_001002269](#)

Protein Refseq [NP_001002269](#)

MIM [606489](#)

UniProt ID [Q9NQT5](#)

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Chromosome Location	9p11
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; RNA binding; NOT exoribonuclease activity; protein binding;

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