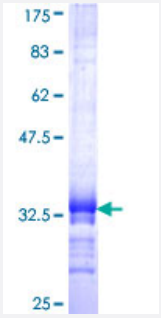
EXOSC6 (Human) Recombinant Protein (Q01)

Catalog # H00118460-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EXOSC6 partial ORF (NP_478126, 3 a.a. - 66 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GDHRRIRGPEESQPPQLYAADEEEAPGTRDPTRLRPVYARAGLLSQAKGSAYLEAGGTKVLCAV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.78
Interspecies Antigen Sequence	Mouse (90); Rat (92)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EXOSC6

Entrez GeneID	118460
GeneBank Accession#	NM_058219
Protein Accession#	NP_478126
Gene Name	EXOSC6
Gene Alias	EAP4, MTR3, Mtr3p, hMtr3p, p11
Gene Description	exosome component 6
Omim ID	606490
Gene Ontology	Hyperlink
Gene Summary	This gene product constitutes one of the subunits of the multisubunit particle called exosome, which mediates mRNA degradation. The composition of human exosome is similar to its yeast counterpart. This protein is homologous to the yeast Mtr3 protein. Its exact function is not known, however, it has been shown using a cell-free RNA decay system that the exosome is required for rapid degradation of unstable mRNAs containing AU-rich elements (AREs), but not for poly(A) shortening. The exosome does not recognize ARE-containing mRNAs on its own, but requires ARE-binding proteins that could interact with the exosome and recruit it to unstable mRNAs, thereby promoting their rapid degradation. [provided by RefSeq
Other Designations	Mtr3 (mRNA transport regulator 3)-homolog|OTTHUMP00000174902|homolog of yeast mRNA transport regulator 3

Pathway

- RNA degradation