

Product datasheet for **SC120246**

EXOSC6 (NM_058219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOSC6 (NM_058219) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOSC6
Synonyms:	EAP4; hMtr3p; MTR3; Mtr3p; p11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_058219, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGGGGATCACCGCCGATCCGCGGCCCTGAAGAATCGCAGCCGCCGAGCTGTACGCGGCCGACG
AGGAGGAGGCGCCCGGCACCCGCGACCCAACGCGGCTACGGCCCGTGTACGCGCGCGCCGGGCTGCTGAG
CCAGGCCAAGGGCTCGGCCTACCTGGAGGCGGGAGGCACCAAGGTGCTGTGTGCCGTGTCCGGCCCGCA
CAGGCCGAGGGCGGCGAGCGCGGCGGGCCCGGCCGAGCAGGCGGCGAGGCCCGCCGCGCTGCGCG
GTCGCCTGCTCTGCGACTTCCGCCGCGCACCTTCGCGGGCCGCCGGCGCCGCTCCCCGGGCGGCTG
CGAGGAGCGTGAGCTGGCGCTGGCGCTGCAGGAGGCGCTGGAGCCGGCTGTGCGCCTGGGCCGCTACCCG
CGCGCGCAGCTCGAGGTGTCGGCGCTGCTGCTGGAGGACGGTGGCTCGGCCCTGGCCGCCGCTACCCG
CCGCCGCGCTCGCCCTGGCCGACGCGGGCGTGGAGATGTACGACCTGGTGGTGGGCTGCGGCCTCAGCCT
CGCGCCGGGGCCCGCCACCTGGCTCCTGGACCCACGCGGCTCGAGGAAGAGCGCGCCCGCCGGCG
CTCACCGTGGCGCTCATGCCTGTGCTGAATCAGGTGGCCGGGCTGCTGGGCGAGCGCGAGGGCGGCCTGA
CAGAGAGCTGGGCGGAGGCCGTACGCCTGGGCCTCGAGGGCTGCCAGGCCTCTACCCCGTGTGTCAGCA
GAGCCTGGTGGGGCCCGCCCGCCGAGGGGCGCCGCCCGCCAGCCCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_058219 unedited GGATTTTGTATACGACTTACTATAGGCGGCCGCGCATTTCGGCACCANATGCCTGGGGATC ACCGCCGATCCGCGGGCCCTTGAAAAATCGCAGCCGCCGAGCTGTACGCGGCCGACGA GGAGGAGGCGCCCGGCACCCGCGACCAACGCGGCTACGGCCCGTGTACGCGCGCCGG GCTGCTGAGCCAGGCCAAGGGCTCGGCCTACCTGGAGGCGGGAGGCACCAAGGTGCTGTG TGCCGTGTCGGGCCCGCGACAGGCCGAGGGCGGCGAGCGCGGCCGCGCCGGCCGGGAGC AGGCGCGAGGCCCGCCGCGCTGCGCGGTGCGCTGCTCTGCGACTTCGCGCCGCGACC CTTCGCGGGCCGCGCGCCGCGCTCCCCGGGCGGCTGCGAGGAGCGTGAGCTGGCGCT GGCGCTGCAGGAGGCGCTGGAGCCGCTGTGCGCTGGGCCGCTACCCGCGCGCGCAGCT CGAGGTGTCGGCGCTGCTGCTGGAGGACGGTGGCTCGGCCCTGGCCGCCGCGCTACCCG CGCCGCGCTCGCCTGGCCGACGCGGGCGTGGAGATGTACGACCTGGTGGTGGGCTGCGG CCTCAGCCTCGCGCCGGGCCCGCCACCTGGCTCCTGGACCCACGCGGCTCGAGGA AGAGCGCGCCGCCCGGCTCACCGTGGCGCTCATGCCTGTGCTGAATCANGTGGCCGG GCTGCTGGGAGCGCGAGGGCGGCTGACAGAGAGCTTGGCGGAGGCCGTACGCCTGGG CCTCGAGGGCTGCCAGCGCTTACCCCGTGTGCGAGAGAGCCTGTTGCGGGCCCGCCG CCGAAGGGCGCCGCGCCAGCCGAAACCAGAAGGCTGAGCACTACGGAACCAAGCGAG GACCGTGCTGCCGCTTCAAAAAGACCGCGCTTCGCTCCATTTGCGTCAGAATCCTGGA GGGCTGATTGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_058219
Insert Size:	1750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_058219.2 , NP_478126.1
RefSeq Size:	1729 bp
RefSeq ORF:	819 bp
Locus ID:	118460
UniProt ID:	Q5RKV6
Cytogenetics:	16q22.1
Domains:	RNase_PH_C

Protein Pathways: RNA degradation

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, Jul 2008]