OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC320513

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_058219.2
GCGGAAGGGGTTCGCACGCCAAGAACCGCCATGCCTGGGGATCACCGCCGCATCCGCGGC
CCTGAAGAATCGCAGCCGCCGCAGCTGTACGCGGCCGACGAGGAGGAGGCGCCCGGCACC
CGCGACCCAACGCGGCTACGGCCCGTGTACGCGCGCGCCGGGCTGCTGAGCCAGGCCAAG
GGCTCGGCCTACCTGGAGGCGGGAGGCACCAAGGTGCTGTGTGCCGTGTCGGGCCCGCGA
CAGGCCGAGGGCGGCGAGCGCGGCGGCGGCCCGGCCGGAGCAGGCGGCGAGGCCCCGGCC
GCGCTGCGCGGTCGCCTGCTCTGCGACTTCCGCCGCGCACCCTTCGCGGGCCGCCGGCGC
CGCGCTCCCCCGGGCGGCTGCGAGGAGCGTGAGCTGGCGCTGGCGCTGCAGGAGGCGCTG
GAGCCGGCTGTGCGCCTGGGCCGCTACCCGCGCGCGCAGCTCGAGGTGTCGGCGCTGCTG
CTGGAGGACGGTGGCTCGGCCCTGGCCGCCGCGCTCACCGCCGCCGCGCTCGCCCTGGCC
GACGCGGGCGTGGAGATGTACGACCTGGTGGTGGGCTGCGGCCTCAGCCTCGCGCCGGGG
CCCGCGCCCACCTGGCTCCTGGACCCCACGCGGCTCGAGGAAGAGCGCGCCGCCGCCGGC
CTCACCGTGGCGCTCATGCCTGTGCTGAATCAGGTGGCCGGGCTGCTGGGCAGCGGCGAG
GGCGGCCTGACAGAGAGCTGGGCGGAGGCCGTACGCCTGGGCCTCGAGGGCTGCCAGCGC
CTCTACCCCGTGCTGCAGCAGAGCCTGGTGCGGGCCGCCCGCCGCAGGGGCGCCGCCGCC
CAGCCCTGAACCAGAAGCCTGAGCAACTACGGACGCAAGCCGAGGACCGTGCTGCCGCCG
TCCACGAAAAGACCCGCGCCATCGGCCTCCAGTTTGCGTCGAGAATTCCTGGAAGGGCCC
TGATATGACTGTGGTTGGACTGACCTGACTGCCAGATGGTGGGACTTGGTCTGGAGCAGG
GACTACTTGGAATGATAAAGGCAAAACTCAACAGCCCCTGGAGCTGCGCTTGTGGTGGAG
CTGGACCCTGAAATTACCTGGACCTTTTTTTTAGAGACAGGGTTTCTTTCTGCAGTCTCA
AACTCCTAGCCTTGATTGATCCTCCTGCCTTGGCCTCCCAAAGTGCTGGGACTACAGGTG
CATGCAACCACACCTGGCTAATTTTCTTTTCTTCTTTCTTTCTTTTTTTTTTTTTTTTTT
TTTTGATGGAGTCTTGTTCTGTTGCCCAGGCTGGAGTGCAATGGTGCAATCTTGGCTCAC
TGCAACCTCTGCCTCCTGGGTTCAATCCATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGG
ATTACAGGCACATGCCTCCATACCGGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTT
CGCCATGTGGGCCAGGCTGTTCTCGAATGCCTGACCTCAGGTGATCCACCCGCCTTGGCC
TCCCAAAGTGCTGGAATTACAGGTGTGAGCCACTGTGCCCAGCTGAGTAAATTTCTTGAT
TGCACAGAATGTACGGTGATATTGGCGGACTTAAGGACATCGAATTGTTTATCAGGAATA
AAGTATTATGTGTGTTTTCTGCGGCCCTGGATAATGCTGTAGCATTCAGGGTCGATTGAG
TAAAAAAAATGTAGAGATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_058219

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	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]