

Product datasheet for **RC208634**

EXOSC6 (NM_058219) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EXOSC6 (NM_058219) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EXOSC6
Synonyms: EAP4; hMtr3p; MTR3; Mtr3p; p11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208634 representing NM_058219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTGGGGATCACCGCCGATCCGCGGCCCTGAAGAATCGCAGCCGCCGAGCTGTACGCGGCCGAGC
 AGGAGGAGGCCCGGCACCCGACCCAAACGCGGCTACGGCCCGTGTACGCGCGCGCCGGGCTGCTGAG
 CCAGGCCAAGGGCTCGGCTACCTGGAGCGGGAGGCACCAAGGTGCTGTGTGCCGTGTCGGGCCCGCA
 CAGGCCGAGGGCGGAGCGCGCGGCCCGCCCGGAGCAGGCCGCGAGGCCCGGCCGCGCTGCGCG
 GTCGCTGCTCTGCGACTTCGCGCGCACCTTCGCGGGCCCGCGCGCGCTCCCCGGGGCGGCTG
 CGAGGAGCGTGAGCTGGCGCTGGCGCTGCAGGAGCGCTGGAGCCGGCTGTGCGCCTGGGCCGCTACCCG
 CGCGCGCAGCTCGAGGTGTGCGCGCTGCTGCTGGAGGACGGTGGCTCGGCCCTGGCCGCCGCTACCCG
 CCGCCGCGCTCGCCCTGGCCGACGCGGGCGTGGAGATGTACGACCTGGTGGTGGGCTGCGGCCTCAGCCT
 CGCGCCGGGGCCCGCCACCTGGCTCCTGGACCCACGCGGCTCGAGGAAGAGCGCGCCCGCCGGC
 CTCACCGTGGCGCTATGCCTGTGCTGAATCAGGTGGCCGGGCTGCTGGCAGCGCGAGGGCGGCTGA
 CAGAGAGCTGGGCGGAGGCCGACGCTGGCCCTCGAGGGCTGCCAGCGCCTCTACCCGTGCTGCAGCA
 GAGCCTGGTGC GGCCCGCCCGCAGGGGCGCCGCCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208634 representing NM_058219
 Red=Cloning site Green=Tags(s)

MPGDHRRIRGPPEESQPPQLYAADEEEAPGTRDPTLRPVPYARAGLLSQAKGSAYLEAGGTKVLCAVSGPR
 QAEGGERGGGPAGAGGEAPAALRGRLLCDFRRAPFAGRRRRAPPGCEERELALALQEALPAVRLGRYP
 RAQLEVSALLLEDGGSALAAAL TAAALALADAGVEMYDLVVGCGLSLAPGPAPTWLLDPTRLEEEERAAAG
 LTVALMPVLNQVAGLLGSGEGLTESWAEAVRLGLEGCQRLYPVLQQLVRAARRRGAAAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_058219

ORF Size: 816 bp

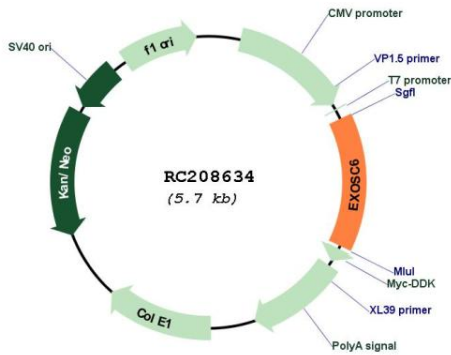
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

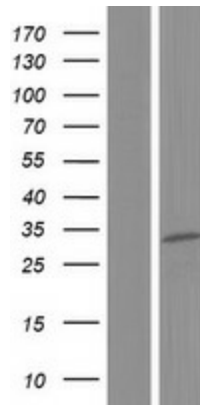
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_058219.3
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
MW:	28.2 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC208634



Western blot validation of overexpression lysate (Cat# [LY409238]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208634 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).