

## Product datasheet for **SC307288**

### EXOSC8 (NM\_181503) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EXOSC8 (NM_181503) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOSC8
Synonyms:	bA421P11.3; CIP3; EAP2; OIP2; p9; PCH1C; RRP43; Rrp43p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307288 representing NM_181503. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGCTGGGTTCAAACCGTGAACCTCTGGAGTATTACAGGAGATTCTGAAAGAGAAGTCCCGT
CCTGATGGAAGAGAAGTGGTGAATTCAGAACCACAAGTCAACATCGTTCAATTAGTACCGCAGAT
GGTTCTGCTTTAGTGAAGTTGGGAAATACTACAGTAATCTGTGGAGTTAAAGCAGAATTTGCAGACCA
TCAACAGATGCCCTGATAAAGGATACGTTGTTCCCTAATGTGGATCTACCACCCCTGTGTTTCATCGAGA
TTCCGGTCTGGACCTCCTGGAGAAGAGGCCAAGTGGCTAGCCAGTTCATTGCAGATGTCATTGAAAAT
TCACAGATAATTCAGAAAGAGGACTTATGCATTTCTCCAGAAAGCTTGTCTGGTTCTATACTGTGAT
CTCATTTGCCTCGACTACGATGGAACATTTTGGATGCCTGCACATTTGCTTTGCTAGCGGCTTTAAAA
AATGTACAGTTGCCTGAAGTTACTATAAATGAAGAACTGCTTTAGCAGAAGTTAATTTAAAGAAGAAA
AGTTATTTGAATATTAGAACTCATCCAGTTGCAACTTCCTTTGCTGTGTTTGGATGACACTTTGCTTATA
GTTGACCTACTGGAGAGGAGGAACATCTGGCAACAGGAACCTTAAACAATAGTAATGGATGAGGAAGGC
AAACTCTGTTGTCTTACAAACCAGGTGGAAGTGGGCTAACTGGAGCTAAACTTCAGGACTGTATGAGC
CGAGCAGTTACAAGACACAAAGAAGTTAAAAAAGTATGATGGATGAAGTAATTAAGAGTATGAAACCCAAA
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	□
ACCN:	NM_181503
Insert Size:	831 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181503.2</a>
<b>RefSeq Size:</b>	1427 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	11340
<b>UniProt ID:</b>	<a href="#">Q96B26</a>
<b>Cytogenetics:</b>	13q13.3
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	30 kDa
<b>Gene Summary:</b>	This gene encodes a 3'-5' exoribonuclease that specifically interacts with mRNAs containing AU-rich elements. The encoded protein is part of the exosome complex that is important for the degradation of numerous RNA species. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Mar 2009]