

Product datasheet for SC300431

EXOSC3 (NM_001002269) Human Untagged Clone

Product data:

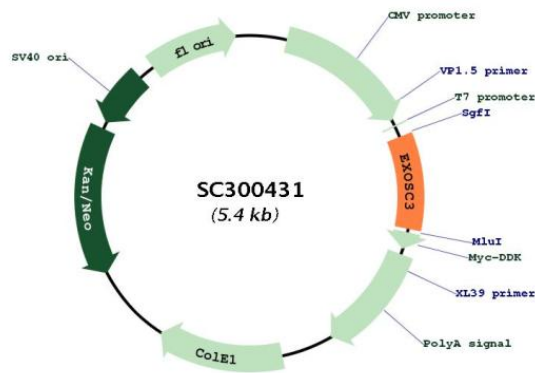
Product Type:	Expression Plasmids
Product Name:	EXOSC3 (NM_001002269) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOSC3
Synonyms:	bA3J10.7; CGI-102; hRrp-40; p10; PCH1B; RRP40; Rrp40p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300431 representing NM_001002269. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGAACCTGCGTCTGTCGCGGCTGAATCTCTCGCGGCAGCAGGGCGCGCTGCACGCACAGTA
CTAGGTCAGGTGGTGTCTCCGGGTGAGGAGCTGCTCCTGCCGGAACAGGAGGACGCGGAAGGCCCTGGG
GGTGCAGTGGAGCGACCGTTGAGCCTGAATGCTAGAGCGTGTCTCGCGGTGCGCATTGTATGCGGTCCG
GGCCTTCGGCGCTGTGGGACCGCCTGCTGGTCACCAAGTGGCGCCGCTCCGTACAAGGAGCCCGGC
AGTGGCAGCGCGCGGTGTTTACTGGGTGGACTCTCAGCAGAAGCGGTATGTTCCAGTAAAAGGAGAC
CATGTGATTGGCATAGTGACAGCTAAATCTGGAGATATATTCAAAGTTGATGTTGGAGGGAGTGAGCCA
GCTTCTTTGTCTTACTTGTCAATTTGAAGGTGCAACTAAAAGAAACAGACCAAATGTGCAGGCTATTAGC
TCCAGATTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001002269

Insert Size: 495 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).

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:	<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_001002269.2
RefSeq Size:	1705 bp
RefSeq ORF:	495 bp
Locus ID:	51010
UniProt ID:	Q9NQT5
Cytogenetics:	9p13.2
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation
MW:	17.2 kDa
Gene Summary:	<p>This gene encodes a non-catalytic component of the human exosome, a complex with 3'-5' exoribonuclease activity that plays a role in numerous RNA processing and degradation activities. Related pseudogenes of this gene are found on chromosome 19 and 21. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region that causes a frameshift and leads to an early stop codon compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1.</p>