

## Product datasheet for **RG204768**

### EXOSC8 (NM\_181503) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | EXOSC8 (NM_181503) Human Tagged ORF Clone                                   |
| Tag:                      | TurboGFP  |
| Symbol:                   | EXOSC8  |
| Synonyms:                 | bA421P11.3; CIP3; EAP2; OIP2; p9; PCH1C; RRP43; Rrp43p                      |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG204768 representing NM_181503<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCTGGGTTCAAACCGTGAACCTCTGGAGTATTACAGGAGATTTCTGAAAGAGAACTGCCGTC  
CTGATGGAAGAGAACTTGGTGAATTCAGAACCACAACCTGTCAACATCGGTTCAATTAGTACCGCAGATGG  
TTCTGCTTTAGTGAAGTTGGGAAATACTACAGTAATCTGTGGAGTTAAAGCAGAATTTGCAGCACCATCA  
ACAGATGCCCTGATAAAGGATACGTTGTTCTAATGTGGATCTACCACCCTGTGTTTCATCGAGATTCC  
GGTCTGGACCTCCTGGAGAAGAGGCCCAAGTGGCTAGCCAATTCATTGCAGATGTCATTGAAAATTCACA  
GATAATTCAGAAAGAGGACTTATGCATTTCTCCAGGAAAGCTTGCTGGGTTCTATACTGTGATCTCATT  
TGCTCGACTACGATGGAACATTTTGGATGCCTGCACATTTGCTTTGCTAGCGGCTTTAAAAATGTAC  
AGTTGCCTGAAGTTACTATAAATGAAGAACTGCTTTAGCAGAAGTTAATTTAAAGAAGAAAAGTTATTT  
GAATATTAGAACTCATCCAGTTGCAACTTCCTTTGCTGTGTTTGATGACACTTTGCTTATAGTTGACCTT  
ACTGGAGAGGAGGAACATCTGGCAACAGGAACCTTAACAATAGTAATGGATGAGGAAGGCAAACTCTGTT  
GTCTTCACAAACCAGGTGAAGTGGGCTAACTGGAGCTAACTTCAGGACTGTATGAGCCGAGCAGTTAC  
AAGACACAAAAGATTA AAAAATGATGGATGAAGTAATTAAGAGTATGAAACCCAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204768 representing NM\_181503  
 Red=Cloning site Green=Tags(s)

MAAGFKTVEPLEYYRRFLKENCPRPDGRELGEFRTTTVNIGSISTADGSALVVLGNTTVICGVKAEFAAPS  
 TDAPDKGYVVPNVLDLPLCSSLRFRSGPPGEEAQVASQFIADVIENSQIIQKEDLCISPGKLVWLYCDLI  
 CLDYDGNILDACITFALLAALKNVQLPEVTINEETALAEVNLKKSYLNIRTHPVATSFVAFDDTLIVDP  
 TGEEHHLATGTLTIVMDEEGKLCCLHKPGGSLTGAKLQDCMSRAVTRHKEVKKLMDEVIKSMKPK

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_181503

**ORF Size:** 828 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:**

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\\_181503.1](#), [NP\\_852480.1](#)

**RefSeq Size:** 986 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 11340

**UniProt ID:** [Q96B26](#)

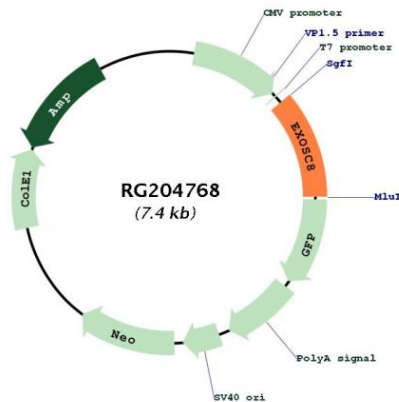
**Cytogenetics:** 13q13.3

**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** RNA degradation

**Gene Summary:** 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]

### Product images:



Circular map for RG204768