

Product datasheet for **RG211213**

EXOC3L2 (NM_138568) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC3L2 (NM_138568) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOC3L2
Synonyms:	XTP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211213 representing NM_138568 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCCCTGGAGAATGGGGAGCTGGGGCCCTTCTCTCCCCTGGCACCTGCGGGTGGAGGATG
AATGCGTCACAGATGTTAAGGCTCAGACCCGGGCTGCCCTTCTCCGTGTGCTGCAGGAGGACGAAGAGCA
CTGGGGGAGCCTGGAGGACCAGCCAGCAGCCTGGCCAGGATGTGTGTGAGCTGCTGGAAGAGCACACA
GAGCGAGCACCCGCATCAGCCAGGAGTTGGGGAGCGGATGGCCACTGCTGCCTAGGCGGGCTGGCAG
AGTTCTGCAGAGCTTCCAGCAGCGTGTGGAGCGATTCCATGAGAACCCAGCAGTCCGGGAGATGCTACC
TGACACCTATATCAGCAAGACATCGCCCTGGTCAACTGCGGCCCCCACTGAGAGCTCTGGCCGAGCGC
CTGGCCCGGGTGGGGCCCCAGAAAGCGAGCCGGCCCGGAAGCATCTGCTAGTGTCTGGACCATGTGA
CCCGGCTCTGCCACCGTGTCTGTGGCCAACCTGCTGTTCCAGGAGCTGCAGCCACACTTCAACAAGCTGAT
GCGCCGGAAGTGGCTGAGCAGCCCGGAGGCCCTGGATGGCATCGTGGGCACGCTGGGTGCCAGGCCCTG
GCCCTGCGCAGAAATGCAGGACGAGCCTTACCAGGCGCTGGTAGCCGAGCTACACCGCGGGCGCTGGTGC
AGTACGTGCGGCCCTGCTCCGTGGGCGCTGCGCTGCAGCTCGGCGCGGACCCGAGCCGCGTGGCCGG
CAGGCTCCGGGAGGACGCGGCCAACTGCAGAGGCTGTTCCGGCGGCTGGAGTCCCAGGCCCTCGTGGCTG
GATGCCGTGGTGCCTTTGGCTGAAGTCATGCAGCTGGAAGACACGCCAGCATCCAGTGGAGGTGG
GAGTGTTGGTGCAGACTACCCAGACATCAGGCAGAAGCACGTGGCAGCCCTCCTCGACATCCGTGGCCT
GCGCAACACAGCCGCCCGCAGGAGATCCTGGCCGTGGCCCGGGACCTGGAACCTCTGAGGAGGGAGCC
CTGTACCCCCCTCGGACCGTGCCTTCTTTCAGACATCCCTGTGCCCGCCCATCTTTCTGTCTCAGCC
TCCCTCTTCTGGGCCGCTCCCCCTCCTCCGGCTGGCCAGGCCAGTTTGGCCTGTCTGCCTCGGCC
CCGGCCTCCGTCTTAGCGCGACCTCGGGCCAGCGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211213 representing NM_138568
 Red=Cloning site Green=Tags(s)

MAALENGELGPLLSPGTLRGLLEDECVTDVKAQTRAALLRVLQEDEEHWGSLEDQPSSLAQDVCELLEEHT
 ERAPRISQEFGERMAHCLGGLAEFLQSFQQRVERFHENPAVREMLPDTYISKTIALVNCGPPLRALAER
 LARVGPPESEPARASASALDHVTRLCHRVVANLLFQELQPHFNKLMRRKWLSSPEALDGIVGTLGAQAL
 ALRRMQDEPYQALVAELHRRALVEYVVRPLLGRRLRCSSARTRSRVAGRLREDAQLQRLFRRLLESQASWL
 DAVVPHLAEVMQLEDTPSIQVEVGLVRDYPDIRQKHVAALLDIRGLRNTAARQEILAVARDLELSEEGL
 LSPPRDRAFFADIPVPRPSFCLSLPLFLGRLPLSRLARPSLAACLPRRPPSLARPRAQR

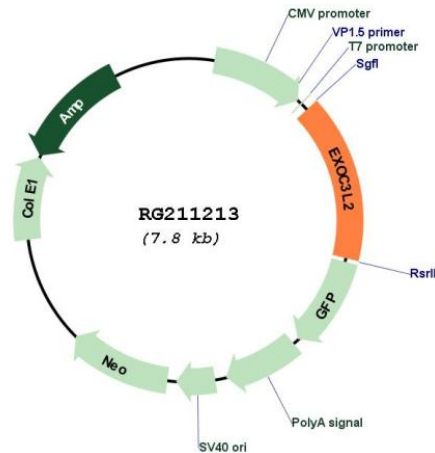
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_138568

ORF Size:	1227 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_138568.4
RefSeq Size:	1719 bp
RefSeq ORF:	1230 bp
Locus ID:	90332
UniProt ID:	Q2M3D2
Cytogenetics:	19q13.32
Gene Summary:	The protein encoded by this gene is upregulated by vascular endothelial growth factor A and interacts with exocyst complex component 4. The encoded protein may be part of an exocyst complex that plays a role in cell membrane dynamics. Mutations in this gene may be associated with Alzheimer's disease. [provided by RefSeq, May 2017]