

Product datasheet for **RG222102**

EXOC3L4 (NM_001077594) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC3L4 (NM_001077594) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOC3L4
Synonyms:	C14orf73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222102 representing NM_001077594
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCACCACAGACAGACACTCCTGGGCCGAGCTGCAGAGTCCCAAGGAGGCTGAGGAGCCACAGA
 CTCAGCTCAGGGCTCCCGGCGAACAAGCAGCAGGAAAGAGCCCAATGCCACCGCAAGGATGGCACAAG
 GCTGGGCTGGGCTCCCTGAGGCAGCCTTCTCCCGGCCAGCCAGCGGGCTTTGACCCAGTCTCCAAG
 GAAGATACGGGCTGTTCCGGCGAAGCTCCTGCTCCCTGTTCCGGTCTTCCGGCAAGCCCTGAATGACG
 GCCAGCTACCGCCATTCCAGGCCACTCCTGAGGTGCCCTCGGGGTGATGAATGGTGTGAGCCAGCA
 GGCATCCACTGGGCAGCGTCTGAGGAAGTAAACCCGAGGCAGAAAGCAAAATCCGTGGCCGACCTCATT
 ACTGAACGGCAACTGCTGGCGCCTTGAACAGCTTTCGCGCTGGAGACGCTGCTGGTGGCCGAGAAGG
 CCTCGGCACCTTTGAGCAGGACCTACGGCTTCGCGCGGCGCCTATGGACGTGTGCCTGCTTTACGA
 CGGGCTGGCAGCCGAGATCGGCGCCATCGTGCGCGAGACGCTGGACAGCAGCGGTGTGGACGCGCCGCG
 CTGGCCGAGCTGGCCCGGTGGTGGAGCGGAGGAGGAAGCCACCCTTCTCCCCGACGACGGCGACT
 TCTGCGCACGCCGCGCCGCTGGCGCCAGCACTGGGAGGAGCGGTGCGGCGAAGCGCTCAGGAGCGGT
 GCGGCGCGGGCGCGGGGTGGGCTTCGGGGAGGCGGAGGGCGCGTGGGTTTGGCCAGCTTCTGGCC
 GAGCTGGTGGCTTGGTTCGCCGCGACCTGCAGAAGGTGCGGCAGGAGGTGCAGCCCGCTATGCGGCG
 CCGGCTTCCCAGCGTGGGAGTCTATCTGCGTGCCTTCCACAGCGCCGTGGCCAGCGCTCCAGGAGCT
 CGCGCGCAGCGCCCGGCTGCGAGCAGCTCTATCTGCTGGACTGGCCGCCAACGTCTACGGCAGT
 CCTGACTTCTGGGCGCCCGGGCTGGCGTGCCCGCAGCCGCTGCCTCCGCTCTGGCGCCGAGC
 TGTGGCCCGACTGGAGAGCGACTACACCAGCTTCTGGAGGCCAAGATCGCAAGCTGCTTCGACAGCAT
 CTTGCAGCTGGAGCAGAGTCACTGGGCGGCCCGGAGGTCCCGAGGTGCTGCAGGGCCTTACCAGGCG
 CCGCTGTCCATGGACGTCCATATGCTCGTGGCCGAGCACGTGAAGGCGCCGCGGCCATCTCCGCGGAGC
 TGGAGGCCACCACCTGCGAATCTGCACGCGGGGCTCGGCTTCTCGTCCAGGTTTGAAGGCTTT
 TCTGGCGTGGGAGGCGGTGAGCGAGCCGACCTGGGCGCCTACATCAACGCTGCGAGGAGCTCAGGACC
 AGTCTTCTCCAGGTTCCAGGAACCAAGAGGAGCTGGAGAAGCCCTGGTGACGGCCACCTGCAGCT
 TCCAGAAGCACTTGCTTCAGGGCTTGCAGCGTGAAGTGCAGCCGCTTTCAGGGTTGTGACCCAGGGA
 CTGGCTGACGCAGGACTGGTGCATCCCCTCATGGACAAGGTGGTACCTTCGCCGTCATCTCCAGCGT
 GTGGCCCGCCGCGGGCACAGGAGACTTGCAGGAGGTGCACCGTTCGTGGTCCGCGAGTACCTGGCGC
 GGGCGCTGAGGCCACGGGAGCGGTTCCGGGCGATGGAGCGCATGCATGGCTCCAGAAAGATGAGCCTGGA
 TGCCAGGCCATCAGCGACACCTTCCAGGGCTGGGTTCCGAGGCCACATGGTTGGACCAAGCCATCCAG
 TGCGTGGCTGAGATCCTGGGCGAGACCTACAAAGATGACATCCAGCGCACCTGGAGACTTTATCCGGA
 GCTACCCCGACATCAGGCGGGACCACATACTGGCCATTCTGGCGCTGCGCCGACTGGGCCCGCAGCGAA
 CCAGCATCTTTGCAGCACACTCAAGACCTGCTGAGAGCTGCGGCCGGGGCGGGGTGCGGAGGCCCT
 CGGGCCCGGTGCTTTCGAGGAGATCAAGGTGCCAGTGCATGGCTGTGCTGATCACCTGCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222102 representing NM_001077594
Red=Cloning site Green=Tags(s)

MPSPQTDTPGPELQSPKEAEEPQTPAQGSRRTSSRKEPNAHRKDGTRLGLGSLRQAFSRASQRAL TQVSK
EDTGLFRRSSCSLFRSFRQALNDGPATGHSQATPEVPSGVMNGVSQQASTGAASEELKPEAEGKSVADLI
TERQLLAAFEQLLRLETLVAEKASRTFEQDPTAFARRAMDVCLLYDGLAAEIGAI VRETLDSDGVDA
AA LAELARVVSAAAAHPSPPDDGDFLRTPRRWRQHWEEAVRRSAQERVRRPGAGWAFGEAEGASGLAQLLA
ELGGLVRRDLQKVRQEVQPAYAAAAGFPAWEVYLRAFHSVAQRLQELARDARGCEQLYILLDWAANVYGS
PDFLGAPGLALPAEPLPLLAPDVWARLESYTSFLEAKIASCFDSILQLEQSHWAAA EVPEVLQGLYQA
PLSMDVHMLVAEHVKAAGAISA ELEATTLRICTRALGLFVPRFEKAFLASEAVSEPHLGAYINACEELRT
SLLSRFPGTQEELEKPLVTATCSFQKHLQGLQRELQPLFRVVCTRDWL TQDWLHPLMDKVVTFAGHLQR
VARPRAQETLQEVHRFVREYLARALRPRERFRGMMERHGSQKMSLDAQAISDTFQGLGSEATWLDQAIQ
CVAEILGETYKDDIQRHLETLIRSYDPDIRRDHILAILALRRLGRQRNQHLLQHTQDLLRAAAGAAGAEAP
RGRVLFEEIKVPSAMAVLITCV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077594

ORF Size: 2166 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_001077594.1](#), [NP_001071062.1](#)

RefSeq Size: 2591 bp

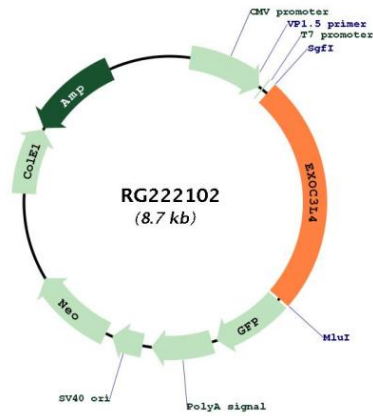
RefSeq ORF: 2169 bp

Locus ID: 91828

UniProt ID: [Q17RC7](#)

Cytogenetics: 14q32.32

Product images:



Circular map for RG222102