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Product datasheet for RC222102

EXOC3L4 (NM_001077594) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC3L4 (NM_001077594) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EXOC3L4
Synonyms:	C14orf73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC222102 representing NM_001077594
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCATCACCACAGACAGACACTCCTGGGCCGGAGCTGCAGAGTCCCAAGGAGGCTGAGGAGCCACAGA
CTCCAGCTCAGGGCTCCCGGCGAACAAGCAGCAGGAAAGAGCCCAATGCCCACCGCAAGGATGGCACAAG
GCTGGGCCTGGGCTCCCTGAGGCAGGCCTTCTCCCGGGCCAGCCAGCGGGCTTTGACCCAGGTCTCCAAG
GAAGATACGGGCCTGTTCCGGCGAAGCTCCTGCTCCCTGTTCCGGTCCTTCCGGCAAGCCCTGAATGACG
GCCCAGCTACCGGCCATTCCCAGGCCACTCCTGAGGTGCCCTCGGGGGTCATGAATGGTGTCAGCCAGCA
GGCATCCACTGGGGCAGCGTCTGAGGAACTGAAACCCGAGGCAGAAGGCAAATCCGTGGCCGACCTCATT
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CGGGCTGGCAGCCGAGATCGGCGCCATCGTGCGCGAGACGCTGGACAGCGACGGTGTGGACGCGGCCGCG
CTGGCCGAGCTGGCCCGCGTGGTGAGCGCGGAGGAGGAAGCCCACCCTTCTCCCCCCGACGACGGCGACT
TCCTGCGCACGCCGCGCCGCTGGCGCCAGCACTGGGAGGAGGCGGTGCGGCGAAGCGCTCAGGAGCGCGT
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TGCGTGGCTGAGATCCTGGGCGAGACCTACAAAGATGACATCCAGCGGCACCTGGAGACTCTTATCCGGA
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CCAGCATCTCTTGCAGCACACTCAAGACCTGCTGAGAGCTGCGGCCGGGGCGGCGGGTGCGGAGGCCCCT
CGGGGCCGCGTGCTCTTCGAGGAGATCAAGGTGCCCAGTGCCATGGCTGTGCTGATCACCTGCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222102 representing NM_001077594
Red=Cloning site Green=Tags(s)

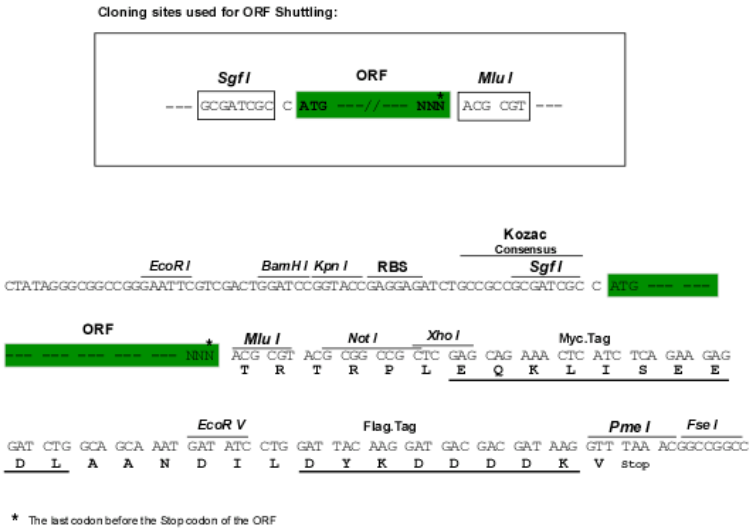
MPSPQTDTPGPELQSPKEAEEPQTPAQGSRRTSSRKEPNAHRKDGTRLGLGSLRQAFSRASQRALTQVSK
EDTGLFRRSSCSLFRSFRQALNDGPATGHSQATPEVPSGVMNGVSQQASTGAASEELKPEAEGKSVADLI
TERQLLAAFEQLLRLETLLVAEKASRTFEQDPTAFARRAMDVCLLYDGLAAEIGAIVRETLDSDGVDAAA
LAELARVVSAEEEAHPSPPDDGDFLRTPRRWRQHWEEAVRRSAQERVRRPGAGWAFGEAEGASGLAQLLA
ELGGLVRRDLQKVRQEVQPAYAAAGFPAWEVYLRAFHSAVAQRLQELARDARGCEQLYILLDWAANVYGS
PDFLGAPGLALPAEPLPPLLAPDVWARLESDYTSFLEAKIASCFDSILQLEQSHWAAAEVPEVLQGLYQA
PLSMDVHMLVAEHVKAAGAISAELEATTLRICTRALGLFVPRFEKAFLASEAVSEPHLGAYINACEELRT
SLLSRFPGTQEELEKPLVTATCSFQKHLLQGLQRELQPLFRVVCTRDWLTQDWLHPLMDKVVTFAGHLQR
VARPRAQETLQEVHRFVVREYLARALRPRERFRGMERMHGSQKMSLDAQAISDTFQGLGSEATWLDQAIQ
CVAEILGETYKDDIQRHLETLIRSYPDIRRDHILAILALRRLGRQRNQHLLQHTQDLLRAAAGAAGAEAP
RGRVLFEEIKVPSAMAVLITCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077594

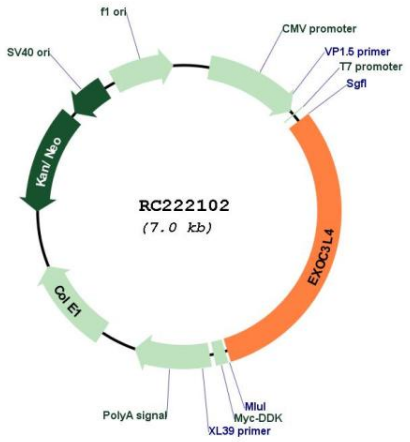
ORF Size: 2166 bp

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

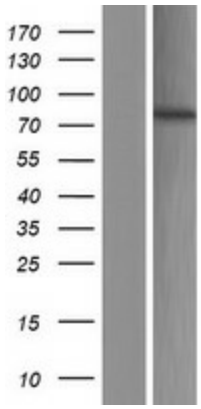
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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
MW:	79.9 kDa

Product images:



Circular map for RC222102



Western blot validation of overexpression lysate (Cat# [LY421461]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222102 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).