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Product datasheet for RG224038

CORO7 (NM_024535) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CORO7
Synonyms:	0610011B16Rik; CRN7; POD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG224038 representing NM_024535
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCGCTTCAGGGTGTCCAAGTTCCGGCACACCGAGGCTCGGCCGCCCCGCCGCGAGTCCTGGATCA
GTGACATTCGAGCAGGAACCGCCCCTTCATGCAGGAACCACATCAAATCAAGCTGCAGCTTGATCGCCTT
CAACTCCGACCGTCCTGGTGTACTGGGCATTGTGCCTCTGCAAGGCCAAGGAGAGGACAAGCGACGCGTG
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CCACAGGCTCGGCTGACAGGACGGTAAAACTCTGGCGACTGCCAGGGCCTGGCCAGGCCCTGCCCTCAGC
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CTGGGGACAACCAGCAGGTGCAGAAGGTCAGCCTCAACCCCGCCTGCCGGCCCCACCCGAGCTTCACTTC
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CAGTGAGCCAAGCCCCCCGAGAGGCCCCTGCTCGTCGGGCCCCATCCTCAGCGCAGTACCTGGAAGAAAA
GTCTGACCAGCAAAAGAAGGAGGAGCTGCTGAATGCCATGGTGGCAAAACTGGGGAACCGGGAGGACCCA
CTCCCCCAGGACTCCTTTGAAGGCGTGGACGAGGACGAGTGGGAC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224038 representing NM_024535
Red=Cloning site Green=Tags(s)

MNRFRVSKFRHTEARPPRRESWISDIRAGTAPSCRNHIKSSCSLIAFNSDRPGVLGIVPLQGQGEDKRRV
AHLGCHSDLVTDLDFSPFDDFLLATGSADRTVKLWRLPGPGQALPSAPGVVLGPEDLPVEVLQFHPTSDG
ILVSAAGTTVKVWDAAKQQPLTELAAHGDLVQSAVWSRDGALVGTACKDKQLRIFDPRTKPRASQSTQAH
ENSRDSRLAWMGTWEHLVSTGFNQMREREVKLWDTRFFSSALASLTLDTSLGCLVPLLDPDSGLLVLAGK
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EFHEDLFPDTAGCVPATDPHGWWAGDNQQVQKVSLNPACRPHPSFTSCLVPPAEPLPDTAQPAVMETPVG
DADASEGFSSPPSSLTSPSTPSSLGPSLSSTSGIGTSPSLRSLQSLLGPSSKFRHAQGTVLHRDSHITNL
KGLNLTTPGESDGFCANKLRVAVPLLSSGGQVAVLELRKPGRLPDTALPTLQNGAAVTDLAWDPFDPHRL
AVAGEDARIRLWRVPAEGLEEVLTTPETVLTGHTEKICSLRFHPLAANVLASSSYDLTVRIWDLQAGADR
LKLQGHQDQIFSLAWSPDGQQLATVCKDGRVRVYRPRSGPEPLQEGPGPKGGRGARIVWVCDGRCLLVSG
FDSQSERQLLLYEAEALAGGPLAVLGLDVAPSTLLPSYDPDTGLVLLTGKGDTRVFLYELLPESPFFLEC
NSFTSPDPHKGLVLLPKTECDVREVELMRCLRLRQSSLEPVAFRLPRVRKEFFQDDVFPDTAVIWEPVLS
AEAWLQGTNGQPWLLSLQPPDMSPVSQAPREAPARRAPSSAQYLEEKSDQQKKEELLNAMVAKLGNREDP
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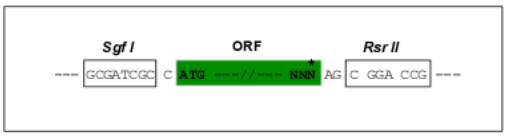
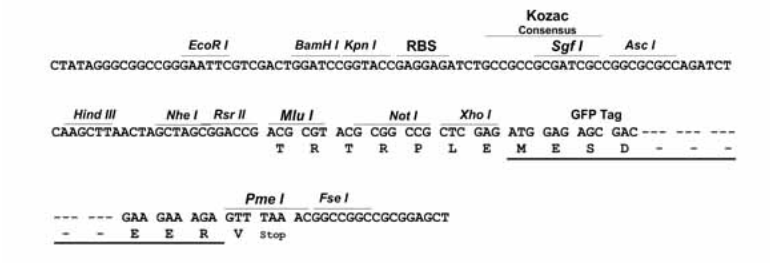
SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:

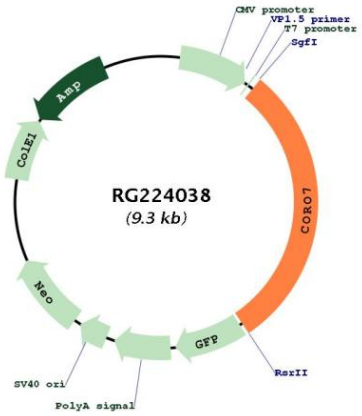




ACCN:	NM_024535
ORF Size:	2775 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024535.1, NP_078811.1
RefSeq Size:	3477 bp
RefSeq ORF:	2778 bp
Locus ID:	79585
UniProt ID:	P57737
Cytogenetics:	16p13.3
Domains:	WD40

Gene Summary: This gene encodes a member of the coronin protein family. However, unlike other coronin proteins, it is not an actin-binding protein but rather functions as an F-actin regulator directing anterograde Golgi to endosome transport. The encoded protein has two tandem WD-40 domain repeats and localizes to the trans-Golgi network. The protein undergoes K33-linked polyubiquitination via an E3 ligase complex. It is thought to play an essential role in maintenance of Golgi apparatus morphology. Alternative splicing results in multiple transcripts variants; some of which form read-through transcripts with a neighboring gene. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG224038