

Product datasheet for **RG216309**

C13orf7 (RNF219) (NM_024546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C13orf7
Synonyms:	C13orf7; RNF219
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216309 representing NM_024546
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAGACCGTGCAGAATGTTACATTGTCGCTCACTCTGCCCATCACGTGCCACATTTGCTTGGGA
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AAAAATGTGAATCAATCAAAAAAGAAAAATCCAGAGCAGCCTTTCAGTGCCAGCCCATCAAAAGCAA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216309 representing NM_024546

Red=Cloning site Green=Tags(s)

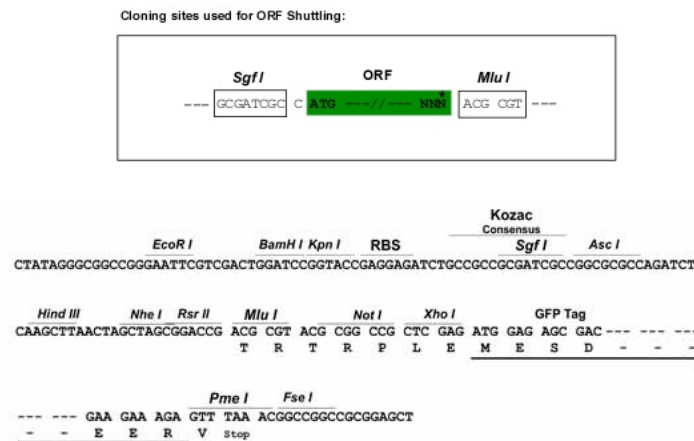
MAQTVQNVTLSTLPITCHICLGKVRQPVICINNHVFCISICIDLWLKNNSQCPACRVPTPENPCKEIIIG
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PQKFGRFAVAALQSKVEQYERETNRLKKALERSDKYIEELESQVAQLKNSSEEKAMNSICQTAL SADGK
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VMLDVTDTSMDTYLEREWGNKPSDCVPYKDEELYDLPAPCTPLSL SCLQLSTPENRESSVVQAGGSKKHS
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SVGEISSKLSEKGLCLSKRLNSIRSFEMNRTTSSEASMDAAYLDKISELDSMMSESDNSKSPCNGGFK
SLDL DGLSKSSQGSEFLEEPDKLEEKTELNL SKGSLTNDQLENGSEWKPTSFLLSPSDQEMNE DFLHS
SSCPVTNEIKPPSCLFQTEFSQGILLSSSHRLFEDQRFGSSLFKMSSEMHS LHNHLQSPWSTSFVPEKRN
KNVNQSTKRKIQSSLSASPSKATKS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_024546

ORF Size:

2178 bp

OTI Disclaimer:

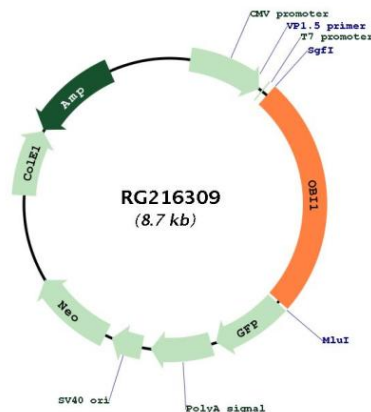
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_024546.4
RefSeq Size:	3552 bp
RefSeq ORF:	2181 bp
Locus ID:	79596
UniProt ID:	Q5W0B1
Cytogenetics:	13q31.1
Gene Summary:	E3 ubiquitin ligase essential for DNA replication origin activation during S phase (PubMed:31160578). Acts as a replication origin selector which selects the origins to be fired and catalyzes the multi-mono-ubiquitination of a subset of chromatin-bound ORC3 and ORC5 during S-phase (PubMed:31160578).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216309