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Product datasheet for RC203758

Retinal protein 4 (UNC119) (NM_005148) Human Tagged ORF Clone

Product data:

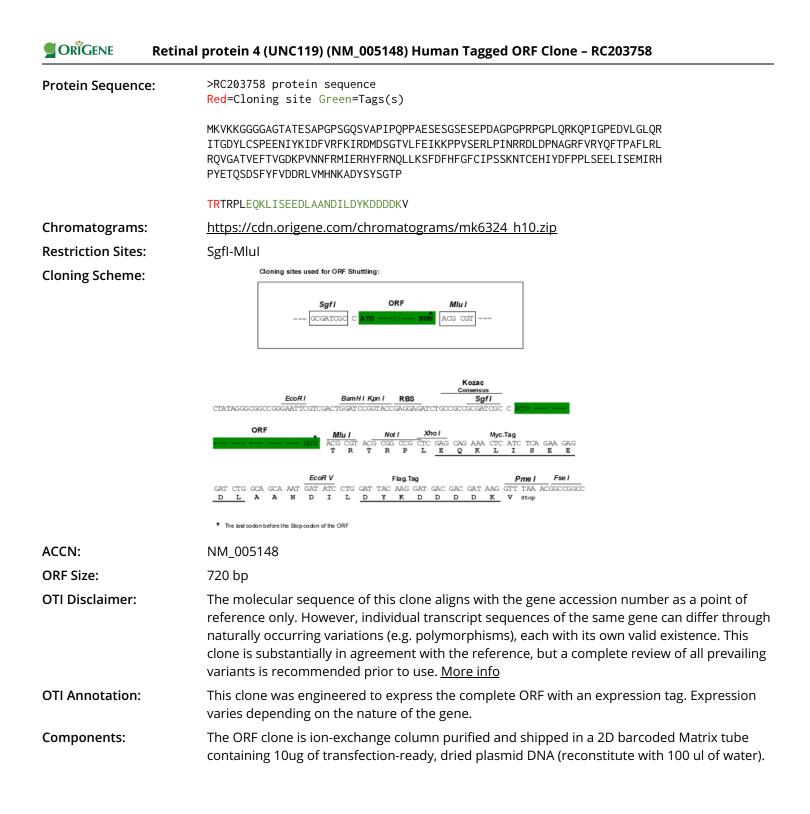
Product Type:	Expression Plasmids
Product Name:	Retinal protein 4 (UNC119) (NM_005148) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Retinal protein 4
Synonyms:	HRG4; IMD13; POC7; POC7A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC203758 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ATGAAGGTGAAGAAGGGCGGCGGTGGGGCCGGGACGGCGACGGAGTCCGCTCCGGGGCCCTCGGGCCAGA GCGTGGCCCCATACCACAGCCGCCTGCGGAATCCGAATCTGGGTCCGAGTCGGAGCCGGACGCAGGCC AGGGCCCAGGCCGGGGCCGCTGCAGAGGAAGCAGCCGATCGGGCCGGAGGACGTGCGGGGCTGCAGCGG ATCACCGGTGACTACCTCTGCTCCCCTGAGGAGAATATCTACAAGATCGACTTTGTCAGGTTTAAGATTC GGGACATGGACTCAGGCACTGTCCTCTTTGAAATCAAGAAGCCCCCAGTCTCAGAACGGTTGCCCATCAA CCGGCGGGACCTGGACCCCAATGCTGGGCGCTTTGTCCGCTACCAGTTCACGACTGCCTTCCTCCGCCTG AGGCAGGTGGGAGCCACGGTGGAGTTCACAGTGGGAGACAAGCCTGTCAACAACTTCCGCATGAAC GGCACTACTTCCGCAACCAGCTACTCAAAAGCTTCGACTTCCACTTTGGCTTCTGCATCCCCAGCAA GGCACTACTTCCGCAACCAGCTACTCAAAAGCTTCGACTTCCACTTTGGCTTCTGCATCCCCAGCAA GACACCCTGCGAGCACATTTACGACTTCCCCCTCTCTCCGAGGAGGCTGATCAGCGAGATGATCCGCCAC CCGTATGAGACCCAGTCTGACAGCTTCTACTTCGTGGATGACCGGCTGGTGATGCACAATAAAGCAGACT ATTCCTACAGCGGGACACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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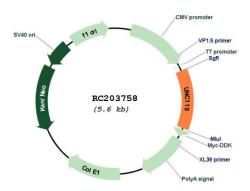


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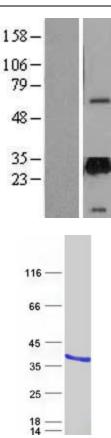
CRIGENE Retinal protein 4 (UNC119) (NM_005148) Human Tagged ORF Clone - RC203758

Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 005148.4</u>
RefSeq Size:	1398 bp
RefSeq ORF:	723 bp
Locus ID:	9094
UniProt ID:	<u>Q13432</u>
Cytogenetics:	17q11.2
Domains:	GMP_PDE_delta
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	27 kDa
Gene Summary:	This gene is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the C. elegans unc119 protein and it can functionally complement the C. elegans unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC203758

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Western blot validation of overexpression lysate (Cat# [LY417490]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203758 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified UNC119 protein (Cat# [TP303758]). The protein was produced from HEK293T cells transfected with UNC119 cDNA clone (Cat# RC203758) using MegaTran 2.0 (Cat# [TT210002]).

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