

Product datasheet for RC216851

C19orf12 (NM_001031726) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	C19orf12 (NM_001031726) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C19orf12
Synonyms:	MPAN; NBIA3; NBIA4; SPG43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC216851 representing NM_001031726 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGAGAGGCTGAAGTCACACAAGCCCGCCACGATGACTATCATGGTGGAGGACATCATGAAGCTGCTGT GCTCCCTTTCTGGGGAGAGGAAGATGAAGGCGGCGCTGTCAAGCACTCTGGGAAGGGTGCCCTGGTCACAGG GGCCATGGCCTTCGTCGGGGGGTTTGGTGGGCGGCCCCACCGGGACTCGCCGTTGGGGGGGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC216851 representing NM_001031726 <mark>Red</mark> =Cloning site Green=Tags(s)
	MERLKSHKPATMTIMVEDIMKLLCSLSGERKMKAAVKHSGKGALVTGAMAFVGGLVGGPPGLAVGGAVGG LLGAWMTSGQFKPVPQILMELPPAEQQRLFNEAAAIIRHLEWTDAVQLTALVMGSEALQQQLLAMLVNYV TKELRAEIQYDD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mg3868_e01.zip



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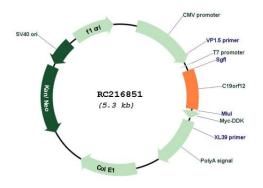
C19orf12 (NM_001031726) Human Tagged ORF Clone – RC216851

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Local Benefit Kgn 1 Ref Command Strategy 2 ORF Multi Agn 1 Not 1 <td< td=""><td>Loss is upber of the second and t</td><td>Cloning Scheme:</td><td>Sgfi ORF Miu i</td></td<>	Loss is upber of the second and t	Cloning Scheme:	Sgfi ORF Miu i
ext crus cac act At Cold At a to b to b to b b b b b b b b b b b b b	 and c db a c db aff Aff c db aff Aff c db aff Aff c db aff aff aff aff aff aff aff aff aff af		EcoRI BamHI Kpn I RBS Sgf I CTATAGGGCGGGGAATTCGTCGACTGGATCCGGTACCGGGAGAGAGA
ACCN:NM_001031726ORF Size:456 bpOTI Disclaimer:The molecular sequence of this clone aligns with the reference only. However, individual transcript seque naturally occurring variations (e.g. polymorphisms), clone is substantially in agreement with the referen 	 NM_001031726 456 bp 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 This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. 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). hod: 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. Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. NM 001031726.3, NP 001026896.2 4431 bp 		GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGGCC
ORF Size:456 bpOTI Disclaimer:The molecular sequence of this clone aligns with the reference only. However, individual transcript seque naturally occurring variations (e.g. polymorphisms), clone is substantially in agreement with the referen variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete varies depending on the nature of the gene.Omponents:The ORF clone is ion-exchange column purified and containing 10ug of transfection-ready, dried plasmiReconstitution Method:1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile with 3. Close the tube and incubate for 10 minutes at row 3. Close the tube and incubate for 10 minutes at row 3. Store the suspended plasmid at -20°C. The DNA i shipping when stored at -20°C.Note:Plasmids are not sterile. For experiments where str 0.22um filter is required.RefSeq:NM 001031726.3, NP 001026896.2RefSeq Size:4431 bp	 456 bp 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 This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. 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). hod: 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. Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. NM 001031726.3 NP 001026896.2 4431 bp 		* The last codon before the Skop codon of the ORF
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	459 bp	efSeq Size:	4431 bp
RefSeq ORF: 459 bp		RefSeq ORF:	459 bp

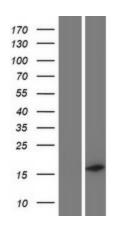
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	C19orf12 (NM_001031726) Human Tagged ORF Clone – RC216851
Locus ID:	83636
UniProt ID:	Q9NSK7
Cytogenetics:	19q12
Protein Families:	Transmembrane
MW:	16.1 kDa
Gene Summary:	This gene encodes a small transmembrane protein. Mutations in this gene are a cause of neurodegeneration with brain iron accumulation-4 (NBIA4), but the specific function of the encoded protein is unknown. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC216851



Western blot validation of overexpression lysate (Cat# [LY422175]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216851 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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