

## Product datasheet for **SC127755**

### C19orf12 (NM\_031448) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf12 (NM_031448) Human Untagged Clone
Tag:	Tag Free
Symbol:	C19orf12
Synonyms:	MPAN; NBIA3; NBIA4; SPG43
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031448, the custom clone sequence may differ by one or more nucleotides

ATGACTATCATGGTGGAGGACATCATGAAGCTGCTGTGCTCCCTTTCTGGGGAGAGGAAGATGAAGGCGG  
CTGTCAAGCACTCTGGGAAGGGTGCCCTGGTCACAGGGGCCATGGCCTTCGTGCGGGGTTTGGTGGGCGG  
CCCACCGGACTCGCCGTTGGGGGGGCTGTGCGGGGGCTGTTAGGTGCCTGGATGACAAGTGACAGTTT  
AAGCCGGTTCCTCAGATCCTAATGGAGCTGCCCTGCCGAGCAACAGAGGCTCTTTAACGAAGCCGAC  
CCATCATCAGGCACCTGGAGTGGACGGACGCCGTGCAGCTGACCGCGCTGGTCATGGGCAGCGAGGCCCT  
GCAGCAGCAGCTGCTGGCCATGCTGGTGAACACGTACCAAGGAGCTGCGGGCCGAGATCCAGTATGAT  
GACTAG

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_031448 unedited  
CCGCGAATTCGGCAGCAGCCGGGCTGCAGCCGCTCTGATCGCCGAGCGCCCGCTAGTA  
CCTCCGCTCCCCAGGCCGCCACGATGACTATCATGGTGGAGGACATCATGAAGCTGCT  
GTGCTCCCTTTCTGGGGAGAGGAAGATGAAGGCGGCTGTCAAGCACTCTGGGAAGGGTGC  
CCTGGTCACAGGGGCCATGGCCTTCGTGCGGGGTTTGGTGGGCGCCACCGGGACTCGC  
CGTTGGATCCAGTCTAAGACACCGCATTGCATTGAATCGCCTGCTTTCTAGTCTCCTCT  
GGCCTTTAACACTTTCTCAGACTTGCCCTGTTCACAGCCTTGATAGTTTTGAGGAGTACT  
GGGCAGGGGGGCTGTGCGGGGGCTGTTAGGTGCCTGGATGACAAGTGGACAGTTAAGC  
CGGTTCCCTCAGATCCTAATGGAGCTGCCCTGCCGAGCAACAGAGGCTCTTTAACGAAG  
CCGCAGCCATCATCAGGCACCTGGAGTGGACGGACGCCGTGCAGCTGACCGCGCTGGTCA  
TGGGCAGCGAGGCCCTGCAGCAGCAGCTGCTGGCCATGCTGGTGAACACGTACCAAGG  
AGCTGCGGGCCGAGATCCAGTATGATGACTANNGCCGACCTCGGNGAGGTGGNGGGCC  
CCTTTAATGACTCTGTGATTCTGAGAGGTGCTTGGGAGTTGGAGAGCCCCACGATGCCCC  
TGGGGATCTCACATCATCAGTGTAT

Restriction Sites: NotI-NotI



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<b>ACCN:</b>	NM_031448
<b>Insert Size:</b>	3670 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031448.2</a> , <a href="#">NP_113636.1</a>
<b>RefSeq Size:</b>	4683 bp
<b>RefSeq ORF:</b>	4683 bp
<b>Locus ID:</b>	83636
<b>UniProt ID:</b>	<a href="#">Q9NSK7</a>
<b>Cytogenetics:</b>	19q12
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at a downstream, in-frame start codon, compared to variant 1. Variants 2 and 4 encode the same isoform (2), which has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>