

## Product datasheet for SC302866

### C11orf85 (MAJIN) (NM\_001037225) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C11orf85 (MAJIN) (NM_001037225) Human Untagged Clone
Tag:	Tag Free
Symbol:	C11orf85
Synonyms:	C11orf85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302866 representing NM_001037225. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTT TAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGAGTTTAAACCCCTTTACCTACCGTTTCCAGAGACGAGGTTTCTTCATGCAGGACCCAATGTGTAT  
 AAATTCAAAATCAGATATGGGAAGAGTATCAGAGGAGAAGAGATAGAAAATAAGGAAGTCATCACCCAG  
 GAGCTGGAGGATTCTGTCCGCTGGTCTTGGGAACTTGGACAATCTTCAGCCCTTGCTACAGAACAC  
 TTCATTGTATTTCCCTATAAAAGCAAATGGGAGAGAGTTTCCACCTGAAATTCAAACATGGGGAAATT  
 ATCTTGATCCCTACCCATTTGTTTTACTCTATATGTGGAGATGAAATGGTTCCATGAAAACCTGTCA  
 CCTGGGAAACCAATAAGTGACAGTCTCTTGGGTTGGTCCAGTTGAGAAGAAAGCAGTAGGAGCTGTG  
 ATGAGGAAACGAAAACACATGGACGAGCCAGCTCCCCAGCAGGCCAGGGCTGGACAGAATAGGGAAA  
 GAAAAACCCAACAAGGATTGCAGGAGACTCTGGCCTCTGATATCACTGATGTCCAGAAACAAGATTCTG  
 AGTGGGGACACAGCCTGCCAGGGCGAATTGTCCCACCCCTGCAGCACAACCTCACCTCCACCTAAGGAGC  
 GAGCAGCCACCGGCTTCTTTGGGTTTCTAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001037225
Insert Size:	651 bp
OTI Disclaimer:	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).


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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_001037225.2</a>
<b>RefSeq Size:</b>	1291 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	283129
<b>UniProt ID:</b>	<a href="#">Q3KP22</a>
<b>Cytogenetics:</b>	11q13.1
<b>MW:</b>	24.8 kDa
<b>Gene Summary:</b>	<p>Meiosis-specific telomere-associated protein involved in meiotic telomere attachment to the nucleus inner membrane, a crucial step for homologous pairing and synapsis. Component of the MAJIN-TERB1-TERB2 complex, which promotes telomere cap exchange by mediating attachment of telomeric DNA to the inner nuclear membrane and replacement of the protective cap of telomeric chromosomes: in early meiosis, the MAJIN-TERB1-TERB2 complex associates with telomeric DNA and the shelterin/telosome complex. During prophase, the complex matures and promotes release of the shelterin/telosome complex from telomeric DNA. In the complex, MAJIN acts as the anchoring subunit to the nucleus inner membrane. MAJIN shows DNA-binding activity, possibly for the stabilization of telomere attachment on the nucleus inner membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>