

## Product datasheet for **SC308391**

### C14orf68 (SLC25A47) (NM\_207117) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf68 (SLC25A47) (NM_207117) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A47
Synonyms:	C14orf68; HDCMP; HDMCP; HMFN1655
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308391 representing NM_207117. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**  
ATGATTTTGTGCTGGAGCCATCGGAGGCGTCTGCGGTGTTGCTGTGGGCTACCCCTGGACACGGTG  
AAGGTCAGGATCCAGACGGAGCCAAAGTACACAGGCATCTGGCACTGCGTCCGGGATACGTATCACCGA  
GAGCGGTGTGGGGCTTCTACCGGGCCTCTCGCTGCCCGTGTGCACGGTGTCCCTGGTATCTTCCGTG  
TCTTTTGGCACCTACCGCACTGCCTGGCGCACATCTGCCGGCTCCGGTACGGCAACCCTGACGCCAAG  
CCCACCAAGGCCGACATCAGCTCTCGGATGCGCCTCCGGCCTCGTCCGCGTGTCTGACGTCGCC  
ACTGAGGTGGCCAAAGTCCGCTTGACAGACGACACAGGCGCAGAAGCAGCAGCGCGGCTTTCGGCC  
TCGGGGCCGTGGCTGTGCCCCCATGTGTCTGTGCCCCAGCCTGCCAGAGCCAAAGTACCGCGGG  
CCACTGCACTGCCTGGCCACGGTAGCCCGTGAGGAGGGGCTGTGCGGCCCTCTACAAGGGCAGCTCGCC  
CTGGTCTTACGGGACGGCCACTCCTTTGCCACCTACTTCTTTCTACGCGGTCTCTGCGAGTGGCTC  
AGCCCCGTGGCCACAGCCGGCCAGATGTCCCGGGCGTGTGGTGGCCGGGGGCTGTGCAGGAGTCTG  
GCCTGGGCTGTGGCCACCCCATGGACGTGATCAAGTCGAGACTGCAGGCAGACGGGCAGGGCCAGAGG  
CGCTACCGGGTCTCCTGCACTGTATGGTGACCAGCGTTCGAGAGGAGGGACCCCGGTCTTTTCAAG  
GGGCTGGTACTCAATTGCTGCCGCGCTTCCCTGTCAACATGGTGGTCTTCGTGCCTATGAGGCAGTG  
CTGAGGCTCGCCGGGGTCTGCTCACA**TAG**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_207117



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<b>Insert Size:</b>	927 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>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>	<u><a href="#">NM_207117.2</a></u>
<b>RefSeq Size:</b>	1733 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	283600
<b>UniProt ID:</b>	<u><a href="#">Q6Q0C1</a></u>
<b>Cytogenetics:</b>	14q32.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	33.4 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of a large family of mitochondrial transporters. The nuclear-encoded carrier protein is embedded in the inner mitochondrial membrane. This member of the family is thought to be an uncoupling protein that uncouples mitochondrial respiration from ATP synthesis by dissipating the transmembrane proton gradient. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>