

Product datasheet for **SC307133**

OTOP2 (NM_178160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTOP2 (NM_178160) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTOP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307133 representing NM_178160.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGAGGAGCTGGCCAGGGCCCCAAGGAGAGCCCCCGGCCGCGCTGCGGGCCCCAGGGAGGTG
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ATCAGCGCGGAGCCTTCAACAAGGTGGCGGTGTACGACACCGACGTGTTGCGCGTGTCTCACTGCGATG
ATGCTGTGGCAACGCTCTGGATCCTCTTCTACCTCCTCCGAACCGTGCCTGCCCTGCGCGGTACCC
TACCGGGACGCGCAGCTGGCCCCATCTGGCTCCGAGGTGGGCTGGTGTGTTTGAATCTGCACCTC
ATCATGGATGTCTTCAAGACCGGCTACTACTCCAGTTTCTTTGAGTGCCAGTCAGCCATCAAGATCTG
CACCCCTCATCCAGGCTGTGTTTGTATCATCCAGACCTACTTCTCTGGGTCTCTGCTAAAGACTGC
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ATGGCGGCGGTGGTGAATCTGTGCACCAATCCACTCCTACAGCAGTTCTACAGCAACGCCAGC
CACGCCGCTCTCATCTCTGACCAGCATGCAGACAACCCGGTGGAGGAGACTCCTGCCTCTGCAGCAG
GCCGTCTGCCAGATCTTCCAGCAGGGGTACTTCTACCTATATCCCTTCAACATCGAGTACAGCCTTTC
GCCTCCACCATGTGTATGTATGTGGAAGAATGTGGGTAGATTCTGGCCTCCACCCCTGGCCACAGC
CACACCCCAACCCCTGTGAGCCTCTTCCGGGAGACCTTTTTTGTGGCCCGGTTCTGGGCTGTGCTC
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CCACCCCAACCCCGGGCTGGTTAGCCCCAGCCCTTCAAGCAGCGGGAAGCAGTGGCCATCGTCTCAACC
CCCAGAAGCCAGTGGAGACGCCAGTGCCTAAAAGACATTTCTCTGTTTCTCTACTCTGCAATGTCATT
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TACTCCCTCTGGCGGTATCGTCAACATCTGCCTCCCTTTCGGCATCTTCTACCGCATGCACGCTGTG
TCCAGCCTGTGGAGGTCTACGTGCTGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_178160

Insert Size: 1689 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).

OTI Annotation: 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.

Components: 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).

Reconstitution Method:	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.
RefSeq:	<u>NM_178160.2</u>
RefSeq Size:	2147 bp
RefSeq ORF:	1689 bp
Locus ID:	92736
UniProt ID:	<u>Q7RTS6</u>
Cytogenetics:	17q25.1
Protein Families:	Transmembrane
MW:	62.2 kDa
Gene Summary:	Proton-selective channel that specifically transports protons into cells. Proton-selective channel activity is probably required in cell types that use changes in intracellular pH for cell signaling or to regulate biochemical or developmental processes.[UniProtKB/Swiss-Prot Function]