

Product datasheet for **SC336863**

OTOP3 (NM_001272005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTOP3 (NM_001272005) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTOP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336863 representing NM_001272005.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCTCCCGCCTCAGCCCCCTGCTGAGGCTACACCCATGCCTTCTTCAGAAGCACAGGAGACTGAA
GCAGCCCCGAGAAGGAGAACCGAGTGGATGTGGGGCCGAGGAGAGAGCGGCCGCCACCCGGCCCCGG
CAGAAAGTCTGGCTGGTGGGCAATTTCTCTGCTGCTGCGGCGGGACCGGCAGGCCAGAAAGGCTGGA
CAACTCTTCTCGGGGCTCCTGGCCCTGAATGTGGTGTCTGCTGGGTGGCGCCTTCATCTGCAGCATGATC
TTCAACAAGGTGGCCGTCACCTCTGGGTGACGTGTGGATCCTGCTGGCCACGCTGAAGGCTCTCTCCCTG
CTTTGGCTTCTCTACTATGTGGCAAGCACCACCGCCGACCACACGCGTGTCTACCAAGATCCCCAC
GCGGGGCCCTCTGGGTGCGGGTTCCTAGTGTCTTCGGCAGCTGCACCTTCTGCCTCAACATCTTC
CGAGTGGGCTACGATGTGAGCCACATCCGCTGCAAGTCACAGCTGGACCTTGTCTTCTGTGCATCGAG
ATGGTCTTCATCGGCGTCCAGACCTGGGTGCTCTGAAACACTGCAAAGACTGTGTTGCGGTCCAGACC
AACTTCACTAGGTGTGGCCTGATGCTGACCCTGGCCACAAACCTGCTGCTGTGGGTCTGGCCGTTACC
AATGACTCCATGCACCGAGAGATCGAAGCTGAGCTTGGCATCCTCATGGAAAAATCCACAGGCAATGAG
ACCAACACCTGTCTGTGCTCAATGCCACCGCGTGTGAAGCTTTCGGAGAGGCTTCCTGATGCTCTAC
CCCTTCAGCACTGAGTACTGCCTCATCTGCTGTGCTGTGCTGTTTGTATGTGGAAGACGTGGGCCGC
CACGTGGCACCACATGGGTGCCACCGTCCACCGCACCGCTTCCACCTGCACGGGGCCATCTTCGGG
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GGCCCTGCCATTGCTTCCAGTACTTACCCTCTACTATGCCTTCTATGTGGCTGTGCTGCCACCATG
AGTCTGGCGTGCCTGGCGGACAGCCATACACGGGCTGGAGGAGAGAGAGCTGGACACGGTCAAGAAC
CCTACCCGAGCCTGGATGTGGTGTGCTAATGGGTGCTGCACTGGGCCAGATGGGCATCGCCTATTTT
TCCATCGTGGCCATTGTGGCCAAGCGCCGCATGAGCTGCTCAACCGCCTCATCCTGGCCTACTCGCTG
CTGCTCATCCTGCAGCACATCGCTCAGAACCTTCTCATCATCGAGGGCCTGCACCGGCGCCCACTCTGG
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CTGGGCCAGGGCCTGCAGCGGCCTCACTGGCCTACATCCACTCTACAGCCACCTCAACTGGAAGCGG
AGGGCACTCAAGGAGATCTCACTTCTCTCATCCTCTGCAATATCACACTGTGGATGATGCTGCATTT
GGCATACACCGGAGTTTGAGAACGGGTAGAAAAGGATTTCTACGGCTACCAGATATGGTTCGCCATC
GTCAACTTCGGCCTGCCTCTGGGGTCTTCTACCGCATGCACTCTGTGGGAGGCTGGTGGAGGTCTAC
CTGGGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001272005

Insert Size: 1737 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).

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_001272005.1</u>
RefSeq Size:	2433 bp
RefSeq ORF:	1737 bp
Locus ID:	347741
UniProt ID:	<u>Q7RTS5</u>
Cytogenetics:	17q25.1
Protein Families:	Transmembrane
MW:	64.4 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] Transcript Variant: This variant (2) uses alternate splice sites at the end of two exons compared to variant 1. The resulting isoform (2) has a shorter and distinct 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.