OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC307144

OTOP3 (NM_178233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTOP3 (NM_178233) 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:

>SC307144 representing NM_178233.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCCGCGGAGCCCGAGCGGCGGCTGCGCAGTCCCGCTGGGGGAGGGCGTCGCGGGCATCGGTCTCA
CCTGGACGGACGATCCGCTCAGCGCCCGCAGTCGGTGAAGCACAGGAGACTGAAGCAGCCCCGGAGAAG
GAGAACCGAGTGGATGTGGGGGCCGAGGAGAGAGCGGCCGCCACCCGGCCCCGGCAGAAGTCCTGGCTG
GTGAGGCATTTCTCTCTGCTGCTGCGGCGGGACCGGCAGGCCCAGAAGGCTGGACAACTCTTCTCGGGG
CTCCTGGCCCTGAATGTGGTGTTCCTGGGTGGCGCCTTCATCTGCAGCATGATCTTCAACAAGGTGGCC
GTCACTCTGGGTGACGTGTGGATCCTGCTGGCCACGCTGAAGGTCCTCTCCCTGCTTTGGCTTCTCTAC
TATGTGGCAAGCACCACCCGCCGACCACACGCCGTGCTCTACCAAGATCCCCACGCGGGGCCCCTCTGG
GTGCGGGGTTCCCTAGTGCTCTTCGGCAGCTGCACCTTCTGCCTCAACATCTTCCGAGTGGGCTACGAT
GTGAGCCACATCCGCTGCAAGTCACAGCTGGACCTTGTCTTCTCTGTCATCGAGATGGTCTTCATCGGC
GTCCAGACCTGGGTGCTCTGGAAACACTGCAAAGACTGTGTTCGGGTCCAGACCAACTTCACTAGGTGT
GGCCTGATGCTGACCCTGGCCACAAACCTGCTGCTGTGGGTTCTGGCCGTTACCAATGACTCCATGCAC
CGAGAGATCGAAGCTGAGCTTGGCATCCTCATGGAAAAATCCACAGGCAATGAGACCAACACCTGTCTG
TGCCTCAATGCCACCGCGTGTGAAGCTTTCCGGAGAGGCTTCCTGATGCTCTACCCCTTCAGCACTGAG
TACTGCCTCATCTGCTGTGCTGTGCTGTTTGTCATGTGGAAGAACGTGGGCCGCCACGTGGCACCCCAC
ATGGGTGCCCACCCTGCCACCGCACCCTTCCACCTGCACGGGGCCATCTTCGGGCCGCTGCTGGGCCTG
CTGGTGCTGCTGGCAGGTGTGTGCGTCTTTGTGCTCTTCCAAATCGAGGCCAGTGGCCCTGCCATTGCT
TGCCAGTACTTCACCCTCTACTATGCCTTCTATGTGGCTGTGCTGCCCACCATGAGTCTGGCGTGCCTG
GCGGGCACAGCCATACACGGGCTGGAGGAGAGAGAGCTGGACACGGTCAAGAACCCTACCCGCAGCCTG
GATGTGGTGCTGCTAATGGGTGCTGCACTGGGCCAGATGGGCATCGCCTATTTCTCCATCGTGGCCATT
GTGGCCAAGCGCCCGCATGAGCTGCTCAACCGCCTCATCCTGGCCTACTCGCTGCTGCTCATCCTGCAG
CACATCGCTCAGAACCTCTTCATCATCGAGGGCCTGCACCGGCGCCCACTCTGGGAGACAGTTCCCGAG
GGCCTGGCAGGAAAGCAGGAGGCTGAGCCTCCCCGCAGAGGCTCCTTGCTGGAGCTGGGCCAGGGCCTG
CAGCGGGCCTCACTGGCCTACATCCACTCCTACAGCCACCTCAACTGGAAGCGGAGGGCACTCAAGGAG
ATCTCACTCTTCCTCATCCTCTGCAATATCACACTGTGGATGATGCCTGCATTTGGCATACACCCGGAG
TTTGAGAACGGGCTAGAAAAGGATTTCTACGGCTACCAGATATGGTTCGCCATCGTCAACTTCGGCCTG
CCTCTGGGGGTCTTCTACCGCATGCACTCTGTGGGAGGCCTGGTGGAGGTCTACCTGGGGGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_178233

Insert Size: 1791 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:	NM_178233.2
RefSeq Size:	2367 bp
RefSeq ORF:	1791 bp
Locus ID:	347741
UniProt ID:	Q7RTS5
Cytogenetics:	17q25.1
Protein Families:	Transmembrane
MW:	66.3 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 (1) encodes the longer 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.