

## Product datasheet for **MC219533**

### Otop3 (NM\_027132) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otop3 (NM_027132) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otop3
Synonyms:	2310011E08Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219533 representing NM\_027132  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTCGCAGACTTCAGCCCCTGCTGAGCCTGCACCCATGCCTTCTCCAGAAGCAAAGACCCTGAGG  
GAGCATCCTCCTATGACCAAGCAGACATGGAGACTAAGCATGCGGGTCCCCATGCCCCGAAGCAGAA  
GTCCTGGCTGGCTCGGCATTTCTCCCTGCTGTTGCGGAGAGACCACAGGCCAGAAAGCCGGGAGCTC  
TTCTCCGGCTCCTGGCTCTCAATGTGGTATTCTGGGTGGGCTTTTATCTGTAGCATGATATTCAACA  
AGGTGTCTGTCACTCTGGGGACGTGTGGATCCTGCTGGCTGCACTGAAGTCTCTCCCTGTTGTGGCT  
CCTCTACTACACAGTGGTACCACCCGAAGCCCCACGCAGTCTGTACCGTGATCCCCACGCGGACCC  
ATCTGGGTGAGGGCTCCCTGGTCTCTCGGCAGCTGTACCGTCTGCCTGAACATATTTCAATGGGTT  
ATGACGTGAGCCACATTCAGTCAAGTCAAGTGAAGTCACTCTTTCCGGCCATTGAGATTGTCTTTAT  
GATTATTCAGACATGGGTGCTCTGGAGACTGTAAAGACTGTGTTACAGTGCAGACCAACTTCACCAGG  
TGTGGACTCATGCTGACTCTGGCCACAACTTGTCTGATGTGGGTTTTGGCTGTGACCAATGACTCCATGC  
ACCGTGAGATTGAGGCTGAGCTCGACGCCCTCATGGAGAAGTTCTCAGTCTTTCAGTGCAGGACCTGCC  
GAGATGCTGTCTTTCTGCCCTATCTCCTCTCAGGTAACGGGACCAACTTGCATGTGCCCTAACACC  
ACAGTGTGCGAGGCTTCCGGAAGGGCTATCTGATGCTTACCCCTTCAGCACTGAGTACTGCCTCATCT  
GCTGTGCTGTGCTCTTCGTCATGTGGAAGAACGTGAGCCGAGCCTGGCAGCCACACAGGTGCCATCC  
CAACAGATCACCTTCCGCTGCACGGGACCATCTTTGGCCACTGCTGGGCTTTTGGCACTGGTGGCT  
GGCGTATGTGCTTTGTGCTCTTCAAATCGAAGCGAGTGGCCCTGACATAGCCCGCCAGTACTTCAACC  
TCTACTATGCGTCTATGTGGCTGTGCTGCCACCATGAGCCTGGCGTGCCTGGCTGGTACAGCCATCCA  
TGGGCTGGAGGAGCGCAATTGGACACGCTCAAAAACCCACACGACGCTGGATGTGGTCTGTTGATG  
GGCGTGCAGTGGCCAGATGGGCATCGCTACTTCTCCATCGTGGCTATCGTGGCCACCCAGCCGACG  
AGCTACTCAACCAGTTATCCTGGCCTACTCACTGCTGCTAATCCTGCAGCACATCACTCAGAATCTCTT  
CATCATCGAGGGCTGCACCGCCGCCCTCTGGGAGCCTGCGGTCTCAGGTGTGATGGAGAAGCAGGAT  
GTTGAGCTACCCCGCAGAGGCTCCCTGCGGGAGCTGGGTGAGGACCTACGGAGAGCCTCAAGGGCTACA  
TCCACTCTTCAGCCACCTCAACTGAAACGCAGGATGCTCAAGGAGATCTCTCTTCTCATCTCTG  
CAACATCACTGTGGATGATGCCCGCCTTCGGCATAACCCAGAGTTTGAACGGGCTGGAAAAGGAT  
TTTTACGGCTACAGGACCTGGTTCACCATTTGTTAACTTCGGCCTGCCCTGGGTGTGTTCTACCGCATGC  
ACTCTGTCGGGGGCTGGTGGAGGTCTACTGGGGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_027132

**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).

**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\\_027132.2](#), [NP\\_081408.2](#)

**RefSeq Size:** 2422 bp

**RefSeq ORF:** 1791 bp

**Locus ID:** 69602

**Cytogenetics:** 11 E2

**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]