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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219533 representing NM_027132
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCGCAGACTTCAGCCCCTGCTGAGCCTGCACCCATGCCTTCTCCAGAAGCAAAGACCACTGAGG
GAGCATCCTCCTATGACCAAGCAGACATGGAGACTAAGCATGCGGGGTCCCCATGCCCCCCGAAGCAGAA
GTCCTGGCTGGCTCGGCATTTCTCCCTGCTGTTGCGGAGAGACCGACAGGCCCAGAAGGCCGGGCAGCTC
TTCTCCGGGCTCCTGGCTCTCAATGTGGTATTCCTGGGTGGGGCTTTTATCTGTAGCATGATATTCAACA
AGGTGTCTGTCACTCTGGGGGACGTGTGGATCCTGCTGGCTGCACTGAAGGTCCTCTCCCTGTTGTGGCT
CCTCTACTACACAGTGGGTACCACCCGGAAGCCCCACGCAGTCCTGTACCGTGATCCCCACGCGGGACCC
ATCTGGGTGAGGGGCTCCCTGGTGCTCTTCGGCAGCTGTACCGTCTGCCTGAACATATTTCGAATGGGTT
ATGACGTGAGCCACATTCACTGCAAGTCAGAAGTGGAACTCATCTTTCCGGCCATTGAGATTGTCTTTAT
GATTATTCAGACATGGGTGCTCTGGAGACACTGTAAGGACTGTGTTCAGGTGCAGACCAACTTCACCAGG
TGTGGACTCATGCTGACTCTGGCCACAAACTTGCTGATGTGGGTTTTGGCTGTGACCAATGACTCCATGC
ACCGTGAGATTGAGGCTGAGCTCGACGCCCTCATGGAGAAGTTCTCAGTTCTTCAGTGCAGGACCTGCCT
GAGATGCTGTCTTTTCCTGCCCTATCTCCTCTCAGGTAACGGGACCAACACTTGCATGTGCCTCAACACC
ACAGTGTGCGAGGTCTTCCGGAAGGGCTATCTGATGCTCTACCCCTTCAGCACTGAGTACTGCCTCATCT
GCTGTGCTGTGCTCTTCGTCATGTGGAAGAACGTGAGCCGCAGCCTGGCAGCCCACACAGGTGCCCATCC
CAACAGATCACCCTTCCGCCTGCACGGGACCATCTTTGGGCCACTGCTGGGCCTTTTGGCACTGGTGGCT
GGCGTATGTGTCTTTGTGCTCTTCCAAATCGAAGCGAGTGGCCCTGACATAGCCCGCCAGTACTTCACCC
TCTACTATGCGTTCTATGTGGCTGTGCTGCCCACCATGAGCCTGGCGTGCCTGGCTGGTACAGCCATCCA
TGGGCTGGAGGAGCGCGAATTGGACACGCTCAAAAACCCCACACGCAGCCTGGATGTGGTGCTGTTGATG
GGCGCTGCACTGGGCCAGATGGGCATCGCCTACTTCTCCATCGTGGCTATCGTGGCCACCCAGCCGCACG
AGCTACTCAACCAGCTTATCCTGGCCTACTCACTGCTGCTAATCCTGCAGCACATCACTCAGAATCTCTT
CATCATCGAGGGCCTGCACCGCCGCCCCCTCTGGGAGCCTGCGGTCTCAGGTGTGATGGAGAAGCAGGAT
GTTGAGCTACCCCGCAGAGGCTCCCTGCGGGAGCTGGGTCAGGACCTACGGAGAGCCTCAAGGGCCTACA
TCCACTCCTTCAGCCACCTCAACTGGAAACGCAGGATGCTCAAGGAGATCTCTCTCTTCCTCATCCTCTG
CAACATCACACTGTGGATGATGCCCGCCTTCGGCATACACCCAGAGTTTGAGAACGGGCTGGAAAAGGAT
TTTTACGGCTACAGGACCTGGTTCACCATTGTTAACTTCGGCCTGCCCCTGGGTGTGTTCTACCGCATGC
ACTCTGTCGGGGGGCTGGTGGAGGTCTACCTGGGGGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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]

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