

Product datasheet for MR201949

Stom (BC003789) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stom (BC003789) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stom
Synonyms: Epb7.2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201949 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACAAACGGCAGTCCAGCCATGTCCAGTCTCAGCGGATCCCTGAGTCCTTCAGAGAAAATTCCA
AGACAGAAGCTGGGAGCTTGTGGATGGATTTTGGTGGCTGCCTCGTTCTTTTTCGTAATTATAACCTTCCC
AATATCAATATGGATTTGCATAAAGATTGTAAGAGATGAGAGAGTCATCATCTTTAGACTGGGTCGC
ATTTTGAAGGAGCGCCAAAGGACCAGGTTTGTTTTTATCCTGCCGTGCACTGACAGCCTCATCAAGG
TGGACATGAGGACCATCTCCTTTGACATTCCTCCGAGGAGGTCCTCACTAAGGACTCGGTGACAATCAG
TGTGGATGGTGTGGTCTACTACCGTGTTCAGAACGCAACCTGGCTGTGGCAATATCACCAATGCAGAT
TCAGCAACCCGTCTTTTGGCACAACTACCCCTCAGGAATGCGCTGGGCACCAAGAACCTGTCTCAATCC
TCAGCACCAAAACAGAGACATGTTGGCTTGTAAATAACGAGAGAATGAGATGGCTGGCTTATGCACAGTT
CTTTACTCTTTAAGTTTGCCTTTTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201949 protein sequence
 Red=Cloning site Green=Tags(s)

MSDKRQSSHVQSQRIPESFRENSKTELGACGWILVAASFFVITFPISIWICIKIVKEYERVIIIFRLGR
ILQGGAKGPLFFILPCTDSL IKVDMRTISFDIPPQEVLT KD SVTISVDGVVYRQNLAVANITNAD
SATRLLAQTTLRNALGTKNLSQILSTKTETCWL VNNERMRLAYAQFSYSLRLFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC003789

ORF Size: 591 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC003789](#), [AAH03789](#)

RefSeq Size: 2191 bp

RefSeq ORF: 593 bp

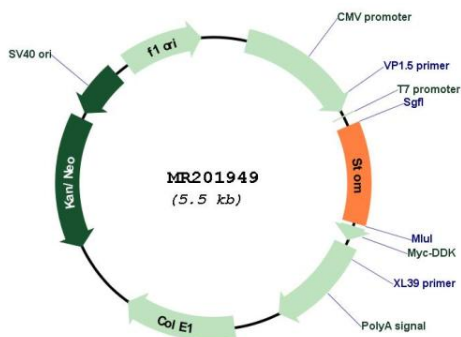
Locus ID: 13830

Cytogenetics: 2 23.53 cM

MW: 22.2 kDa

Gene Summary: Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201949