

Product datasheet for RC236487

STOM (NM_001270526) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STOM (NM_001270526) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STOM
Synonyms: BND7; EPB7; EPB72
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236487 representing NM_001270526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGAGAAGCGGCACACACGGGACTCCGAAGCCAGCGGCTCCCGACTCCTCAAGGACAGCCCCA
 GTAAGGGCCTTGACCTTGGGATGGATTTTGGTGGCCTTCTCATTCTTATTCACCGTTAACTTTCCC
 AATCTCAATATGGATGTGCATAAAGATTATAAAGAGATGAAAGAGCCATCATCTTTAGATTGGGTCGC
 ATTTTACAAGGAGGAGCCAAAGGACCTGGTTTGTTTTTTATTCTGCCATGCACTGACAGCTTCATCAAAG
 TGGACATGAGAACTATTTCAATTTGATATTCCTCCTCAGGAGATCCTCACAAAGGATTCAGTGACAATTAG
 CGTGGATGGTGTGGTCTATTACCGGTTGAGAATGCAACCTGGCTGTGGCAAATATACCAACCGCTGAC
 TCAGCAACCCGCTTTTTGGCACAACTACTCTGAGGAATGTTCTGGGCACCAAGAATCTTCTCAGATCC
 TCTCTGACAGAGAAGAAATTGCACACAACATGCAGTCTACTCTGGATGATGCCACTGATGCCTGGGGAAT
 AAAGGTGGAGCGTGTGAAATTAAGGATAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236487 representing NM_001270526
 Red=Cloning site Green=Tags(s)

MAEKRHTRDSEAQRLPDSFKDSPSKGLGPCGWILVAFSFLFTVITFPISIWMCIKIIEKYEYRAIIFRLGR
 ILQGGAKGGLFFILPCTDSFIKVMRTISFDIPPQEILTKDSVTISVDGVVYRVRVQNLAVANITNAD
 SATRLLAQTTLRNVLGTKNLSQILSDREEIAHNMQSTLDDATDAWGIKVERVEIKDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_001270526.2](#)

RefSeq Size: 3107 bp

RefSeq ORF: 594 bp

Locus ID: 2040

Cytogenetics: 9q33.2

Protein Families: Transmembrane

MW: 22.5 kDa

Gene Summary: This gene encodes a member of a highly conserved family of integral membrane proteins. The encoded protein localizes to the cell membrane of red blood cells and other cell types, where it may regulate ion channels and transporters. Loss of localization of the encoded protein is associated with hereditary stomatocytosis, a form of hemolytic anemia. There is a pseudogene for this gene on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]