

Product datasheet for **MR218486**

Stoml3 (NM_153156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stoml3 (NM_153156) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stoml3
Synonyms:	Epb7.2l; SLP3; sro
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218486 representing NM_153156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATTCACCGGAGAACTGGAGAAGAACAATTTAGTGGGCACCAACAAAAGCCGGCTTGGTGTGTGCG
GCTGGATCCTGTTTTTCCTTTCCTTCTGCTGATGCTCGTTACCTTCCAATCTCAGTATGGATGTGCTT
GAAGATCATTAAAGGAGTATGAGCGCGCTGTTGTCTTCAGACTGGGACGCATCCAAGCTGATAAAGCCAAG
GGACCAGGTTTGATCCTGGTCTGCCTTGCACTGACGTGTTGTCAAAGTAGATCTTCAACGGTACTT
GTAACATTCCTCCACAAGAGATCCTCACGAGAGACTCTGTGACCACCAAGTGGATGGAGTCGTCTATTA
CAGAATCTACAGCGCCGTCTCAGCCGTGGCCAATGTGAACGATGTTACCAAGGCCACGTTCTGCTGGCT
CAGACCACTCTGAGAAATGTCTTAGGGACACAGACCTTGCCAGATCTTGTCTGGGCGAGAAGAGATCG
CACATAGCATCCAGACCTTGCTTATGATGCCACCGAGCTCTGGGGAATCCGAGTGGCCCGGGTGGAAAT
CAAAGATGTCCGATTCTGTGCAGCTGCAGAGGTCCATGGCGGCTGAGGCTGAGGCTACCCGGGAAGCC
AGAGCCAAGGTCTTGCAGCAGAGGGAGAAAATGAATGCTTCAAAGTCTCTGAAGTCAGCTTCCATGGTGC
TGGCAGAGTCCCCGTCGCCCTCCAACCTCGGTACCTGCAGACCTTGACCACAGTGGCCACGGAGAAAAA
TCCACCATTGTGTTTTCCCTTGCCGATGAACATACTTGAGGGCATTGGTGGCATCAGCTATGGCAACAAT
AGAAGGTCACCTGCTAAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR218486 representing NM_153156
Red=Cloning site Green=Tags(s)

MDSPEKLEKNNLVGNTKSRLGVCWILFFLSFLLMLVTFPISVWMCLKIKEYERAVVFRLGRIQADKAK
 GPGILILVLPIDVFKVDLRTVTCNIPPQEILTRDSVTTQVDGVVYRIYSAVAVANVNDVHQATFLLA
 QTTLRNVLGTQLSQLSGREEIAHSIQTLDDATELWGIIRVARVEIKDVRIPVQLQRSMAAEAEATREA
 RAKVLAEEGEMNASKSLKSASMLVAESPVALQLRYLQTLTTVATEKNSTIVFPLPMNILEGIGGISYGN
 KKVTAKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153156

ORF Size: 861 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: [NM_153156.2](#)

RefSeq Size: 864 bp

RefSeq ORF: 864 bp

Locus ID: 229277

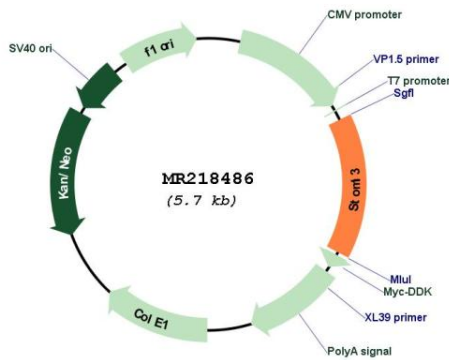
UniProt ID: [Q6PE84](#)

Cytogenetics: 3 C

MW: 32 kDa

Gene Summary: Required for the function of many mechanoreceptors. Modulate mechanotransduction channels and acid-sensing ion channels (ASIC) proteins. Potentiates PIEZO1 and PIEZO2 function by increasing their sensitivity to mechanical stimulations.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218486