

Product datasheet for MC212809

Spout1 (NM_172660) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spout1 (NM_172660) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spout1
Synonyms: 9930028P05; AL033358; CENP-32; D2Wsu81e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212809 representing NM_172660
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAGCGCCCGAGGAAGCGTCCGTGTGGTCCGGTGAACATGGCCAAAGGGTTGAATGGCGAAAAT
GGAAACAGCAGAAAAAGAGGAGAAAAAGAAGTGAAGGACCTCAAGATAATGAAGAACTGGAGCGGCA
GCGTGCCTAAGAGGAAGAGGCTAAACGCCAGGAAGAGGAGGAAGGGCGCGGCCAGAGGAGCAACCA
GGACGGCCTTACACTCTGAGTGTGGCCCTGCCAGGCTCCATCCTGGACAATGCCAGTCACTGAGCTCC
GCACCTACCTGGCTGGCCAGATGCCAGAGCCTGCACCATCTTCTGTGTGGATGAGATTGTGGTGTTCGA
TGAGGAGGGCCAAGATACCAAGAGTGTGGAAGGAGAATTCAGGGGAGTTGGCAAGAAAGGGCAGGCATGT
GTCCAGCTGGCCCGCATCCTACAGTACCTGGAGTGTCCACAGTACCTGAGAAAGGCGTTCTTCCCAAGC
ACCAAGATCTGCAGTTTGCAGGAATCCTCAACCCTTGGACAGCCCTCACCACATGCGTCAGGACGAAGA
GTCTGAGTTTTCGAGAAGGCGTCGTGGTGGACCGGCCACCAAGGCAGGCCATGGCTCTTTGGTCAACTGT
GGAATGAAGAAGGAGGTGAAGATTGACAAGAACTGGACCCTGGACTTCGGGTGACCGTCGCACTGAACC
AGCAGCAGCTCCCAGAATGCAAGACATACAAAGAACAGTTGTGTCATCACAGGACCCCGCACCAAGC
TGGTCTCTACTGGGGCTACACTGTCCGGCTGGCCTCTTGCTCAGCGCTGTGTTGTCTGAGGCTCCCTTC
CAGGATGGGTACGACCTGACCATTGGGACATCAGAACGTGGCTCCGACGTGGCCTCTGCCAGCTGCCCA
GCTTCAGGCATGCCCTTGTGGTGTGGAGGCCTCCAAGGGCTAGAAGCTGCAGTGGATGCTGACCCGAA
CCTTGAAGTGGCTGACCCAGTGTCTCTCGACTTCTATGTCAACACATGCCTTAGCCAGGGCAGCCGT
ACCATCCGACCCAGGAGGCCATACTCATCTCGCTGGCTGCTCTGACGCTGGTCTACCCAGGTGGAT
CGAGGCCCGCCTCCCGCTTTCTGGACCCAGGAT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_172660
Insert Size:	1158 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:	<ol style="list-style-type: none">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:	<u>NM_172660.4</u> , <u>NP_766248.3</u>
RefSeq Size:	1838 bp
RefSeq ORF:	1158 bp
Locus ID:	227695
UniProt ID:	<u>Q3UHX9</u>
Cytogenetics:	2 21.29 cM
Gene Summary:	Required for association of the centrosomes with the poles of the bipolar mitotic spindle during metaphase. Also involved in chromosome alignment. May promote centrosome maturation probably by recruiting A-kinase anchor protein AKAP9 to centrosomes in early mitosis. Binds specifically to miRNA MIR145 hairpin, regulates MIR145 expression at a postranscriptional level (By similarity).[UniProtKB/Swiss-Prot Function]