

Product datasheet for **MC220622**

Sestd1 (NM_175465) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sestd1 (NM_175465) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sestd1
Synonyms:	1500031J16Rik; A930010O20; Solo/Trio8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC220622 representing NM_175465
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCTCGGTGATATTGCCATTCTGAAGAAGAAGCTGGCCTTCCTTTCAGGAGGAAAGGACAGAC
 GCAGTGGACTCATCTTGACAATTCGCTGTGCCTTGAGCAGACAAGTATGGATGAGCTGAGTGTCACTTT
 GGATTACTACTCAGCATTCCAAGTGAGAAATGTAAGGCCAGAGGATTACTGTGATCGTGGATGGCAGG
 AAGTCTCAGTGGAAATGGTGAAGACAGTTGTCTTAATGCTGCAGAATGTTGTTCCAGCCGAGGTATCCC
 TTGTTTGTGTAGTGAAGCCAGATGAATTCTGGGATAAGAAAGTAAACACTTTTGTTTTTGGAAAGAAA
 GGACAGACTTGGCTTTGAGGTTATTTAGTGTCCGCAATAAGTTGACGCGTTACATAGAGCCATGCCAG
 TTGACAGAAGACTTTGGTGGGAGTCTCACCTATGACCACATGGACTGGCTGAATAAGAGGCTGGTCTTTG
 AGAAGTTTACAAAGGAGTCTACATCATTGCTAGATGAAGTCTGCTGATTAACAATGGAAGTATAAGGG
 GAATGAGCAGGAGAAAGAAAGGCTGTGGATTTAACTTTCTTCCATCCGTTGATCCTGAGACGGTCTCT
 CAGACAGGGCATGAGTTGTTATCTGAATTACAGCAGCGTCGATTAATGGCTCCGACGGAGGGGTCTCGT
 GGTCTCTATGGATGACGAGCTGCTGGCACAGCCGAGGTTATGAAGTTGCTGGACTCACTCCGGGAGCA
 GTACACGCGCTACCAGGAAGTCTGCAGGCAGCGCAGTAAGCGCACACAGCTGGAGGAGATCCAGCAGAAG
 GTGATGCAGGTTGTGAACTGGCTTGAAGGGCTGGATCTGAGCAACTGAGAGCACAGTGGGGCATTGGTG
 ACTCGATCAGGGCCTCCAGGCCCTGCAACAGAAGCATGAGGAGATCGAGAGCCAACACAGCGAGTGGTT
 CGCAGTACGTGGAGCTTAACCAGCAGATTGCAGCACTTTAAACGCTGGAGACGAGGAAGATCTTGTG
 GAGTTGAAGTCTCTACAGCAACAGCTTAGCGAGCTTTGCTATCGACAGGCCAGTCAGCTAGAATTTAGGC
 AAAACCTCCTGCAGGCAGCTTTGGAATTCATGGTGTGGCCCAAGATTTGCTCAGCAGTTGGACGGCTT
 ATTAGGATGTTGTGCGTAGATGTAGCACCAGCTGATGGAGCATCGATTAGCAAACTTTAAACTGCTT
 GAAGAGAAGCTGAAAAGTGTGATGTAGGATTGCAAGGCTTGCAGAAAAAGGTCAAGGTCTCCTGGATC
 AGATCTCCAACAGGCTTCTGGGCCTATGGCAAGGATGTAAGTATTGAAAAAAGAAAAACGTGGACCA
 CATAACAAGGATGATGGAAGACATGCAACTTAGGAAACAAGATGTGAGGACATGGTAGATGTGCGGAGG
 CTGAAGATGCTTCAGATGGTGCAGTTGTTAAGTGTGAAGAGGATGCTTCACAGGCAGTAGAATGGCTGA
 GTGAACCTCTGGATGCCCTGCTGAAGACCCATATCAGGCTGGGTGACGATGCTCAGGAAACAAAGTTTT
 ACTGAAAAACACAGAAAATTTGTCGATTTGCCAGAGTACTACGACTATGGCAGACAGCTGCTGCAG
 GCCACAGTTGTACTGTGCCAGTCTCTGCGCTGCACTTCCCGTCTCAGGGGACACACTTCTCGACTGA
 ACAGAGTGTGGAAGCAGTTACAGTCCGATCTGAAGAGAGAGTGCACAGGTTGGAGATGGCTATTGCCTT
 TCACTCCAATGCCGAAAAGATTTTGAAGACTGCCAGAAAGAGCTGAAGCAATGAATGATGAGGAACAG
 TTTGAGGAAATTGAAGCAATTGAAAAATCACTTCTGGATAGACTCACTATCCCCGTGGTTTACCCCGACG
 GAACTGAACAATTTTTGGAAGTCCAAGTGACATGGCTTCTACTGCAGAGCACATCAGGGACAGAATGAA
 ACTGGTCAGTCTCAAAGGCAGCAGCTGAGACATCCCGAATTGGTGACCACGGAGAGCT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_175465
- Insert Size:** 2091 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:

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_175465.6](#), [NP_780674.1](#)

RefSeq Size: 8951 bp

RefSeq ORF: 2091 bp

Locus ID: 228071

UniProt ID: [Q80UK0](#)

Cytogenetics: 2 C3

Gene Summary: May act as the primary docking protein directing membrane turnover and assembly of the transient receptor potential channels TRPC4 and TRPC5. Binds phospholipids such as phosphatidylinositol monophosphates, phosphatidylinositol diphosphates (PIP2s) and phosphatidic acid, but not less polar lipids including phosphatidylcholine, phosphatidylserine, and phosphatidylinositol. The binding to PIP2s is calcium dependent. Might be involved in the plasma membrane localization of CTNNB1 (By similarity).[UniProtKB/Swiss-Prot Function]