

Product datasheet for **MC217395**

Stam2 (NM_019667) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stam2 (NM_019667) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stam2
Synonyms:	1200004O12Rik; 5730456G07Rik; BB145015; Hbp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217395 representing NM_019667
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTGTTCACTGCCAACCCGTTTCGAGCAAGATGTGGAAAAAGCCACAAATGAGTACAACACCACAG
 AAGACTGGAGTCTGATCATGGACATCTGTGACAGGGTTGGAAGCACTCCCAGTGGAGCAAAAAGATTGCCT
 AAAAGCCATAATGAAAAGGGTAAACCATAAGGTCCTCACGTTGCTCTGCAGGCATTGACCCCTTCTGGGA
 GCTTGTGTGGCAAAGTGTGGAAAGATATTTCAATTTAGAAGTATGTTCCCGTGATTTTGAACGGAAGTAC
 GTTCTGTGATAAAAAATAAGGCTCATCCTAAAGTATGTGAAAAACTAAAACTCTAATGGTGGAAATGGTC
 AGAAGAATTCCAGAAGGACCCCCAATTTAGTCTGATATCTGCAACTATTAAGTCTATGAAAGAAGAAGGG
 GTTACTTTTCTCCGCAGGCTCCAGACTGTCGCGGCTGCTGCCAAAAACGGGACATCATTGAACAAAA
 ACAAGAAGATGAGGACATAGCTAAAGCTATTGAGTTATCGTTGCAAGAGCAGAAGCAGCAGTACACGGA
 GACAAAGGCTTTGTACCCACCCGACAGAGTCACTCAATAACAAGGCTGCACGGAGAGTACAGAGCTTTA
 TACGACTTTGAAGCTGTTGAGGACAACGAGCTCACCTTTAAACATGGTGAAGTCTATTACTGTTTTGGATG
 ACAGTGACGCCAACTGGTGGCAAGGAGAAAAATCACAGAGGAACAGGACTCTTCCCCTCCAACCTTTGTAAC
 GACTGACTTAAGCACAGAGGTTGAGACAGCAACGGTGGACAAATTGAATGTAATTGATGATGATGTGGAG
 GAAATTAAGAAATCAGAACCTGAGCCTGTTTATATAGATGAGGGTAAAAATGGATAGAGCCCTGCAGATTC
 TCCAGAGCATAGATCCAAAAGAGTCAAAACCCGACTCCCAAGACCTCTTGGACTTGAAGATGTTTGCCA
 ACAGATGGGTCCGATGATAGATGAAAAACTTGAAGAGATTGATAGGAAGCATTGAGAACTGTCTGAGTTG
 AACGTAAGGTGCTGGAAGCCCTGGACCTGTACAATAAGTTGGTGAATGAAGCCCTGTGTACTCGGTCT
 ATTCAAAGCTGCATCCCGCACATTACCCACCCGACAGCTGGGGTCCAGTGCAGACACTAACCTGCCA
 GTCGCATGGTGGAAACTACCTGGGCCACGCATTACCAAGTATCTGTTGCCCAGAACTATAACCTAGGA
 CCTGATCCTATGGGCTCGCTGAGATCTCTGCCTCCAAATATGAACTCGGTAACAGCACACACCGTCCAAC
 CTCCATACTTAAGCACTGGACAGGACACTGTCTCCAACCTTCTTACATGAACCAGAGCTCTCGTCTTCA
 GGCAGCTGCTGGTACAGCTGCTTACACACAGCCTGTGGGGATGTCTACAGATGTGTCTTCTTTCCAGAAC
 ACAGCATCCGGTTTGCCTCAGCTGGCTGGCTTTCCAGTGGCAGTCTGCACCTGTCTGTCACAGCCAC
 AAGCAAGCTACCACCAGCAGCCTCTCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_019667

Insert Size: 1572 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_019667.2](#), [NP_062641.1](#)

RefSeq Size: 4124 bp

RefSeq ORF: 1572 bp

Locus ID: 56324

UniProt ID: [O88811](#)

Cytogenetics: 2 C1.1

Gene Summary: Involved in intracellular signal transduction mediated by cytokines and growth factors. Upon IL-2 and GM-CSL stimulation, it plays a role in signaling leading to DNA synthesis and MYC induction. May also play a role in T-cell development. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with HGS (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes (By similarity).[UniProtKB/Swiss-Prot Function]