

Product datasheet for **MC218776**

Stam (NM_011484) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stam (NM_011484) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stam
Synonyms:	STAM1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218776 representing NM_011484
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTCTTTGCCACCAACCCCTTCGACCAGGATGTTGAGAAAGCAACTAGTGAGTTGAATACTGCTG
 AGGACTGGGGCCTCATCTTGATATTTGTGATAAGGTTGGCCAATCTCGCACAGGACCTAAAGATTGTCT
 TCGTTCCATTATGAGAAGAGTGAACCATAAAGACCCCATGTTGCTATGCAAGCCTTAACCTTTCTGGGA
 GCATGTGTATCAAAGTGGCAAATTTTTCACTTAGAAGTATGTTCAAGAGACTTTGCTAGTGAAGTAA
 GCAATGTATTAATAAGGGTCATCTAAAGTATGTGAAAAATTAAGGCTCTTATGGTTGAATGGACAGA
 TGAATTTAAGAATGATCCACAGCTTAGTCTGATATCGGCAATGATCAAGAACCTTAAGGAACAAGGTGA
 ACATCCCAGCTATTGGCTCTCAGGCTGCAGAACAAAGCAAGCCAGCTCTCGTAGCCAAGGACC
 CTGGGACTGTGGCTACCAAAAAGGAAGAAGAAGATTTAGCCAAAGCTATTGAGTTGTCCCTGAAGGAGCA
 AAGGCAGCAGTCAGCCCCGTGTCCACGCTGTACCCAGCACATCTAACCTCCTACTAACCACCAGCAC
 GAAGGCAGGAAAGTCCGCGCCGTGTACGATTTTGAAGCCGCTGAGGATAATGAGCTTACCTTTAAAGCTG
 GAGAAATCATTACAGTCCTTGATGACAGTGATCCCAACTGGTGGAAAGGTGAAACCCATCAAGGCCTGGG
 GCTTTTTCTTCTAATTTGTAAGTGCAGATCTTACTGCTGAACCAGAAATGATTAACAGAGAAGAAG
 ACGGTACAGTTCAATGATGATGTTTCAGATAGAGACAATAGAACCAGAACCAGAACCAGCCTTTATTGATG
 AGGATAAAATGGACCAGTTGTTACAGATGTTGCAAAGTACAGATCCTAGTGATAATCAGCCAGACTTGCC
 AGAGCTGCTTCATCTTGAAGCAATGTGTACCAGATGGGACCTCTCATTGATGAAAAGCTGGAAGATATT
 GATAGAAAACATTCAGAACTGTGAGAACTAAACGTGAAGGTGATGGAAGCTCTCTACTGTATACGAAGT
 TAATGAATGAAGACCCAATGTACTCTATGTATGCAAAATTACAGAGTCAGCAGTACTATCTGCAGTCGTC
 GGCTGTCTCTGCTTCCCAGGTATATCCAGGGCCTGCGCAGAGCGGTACCTACCTGGTTGAGGGAGTGCA
 CAGATGACCCATCTGCAGAGCTACAGCCTTCCCCAGAGCAGCTGTCTTCTATCAGCCAAGGAGCAGTTC
 CATCCTCTGCAAATCAAGCTCTTCTAGTCAGCAGACCCAGGCTTCTTACCCGAATGCAATGGTTAGTTC
 TGTTCAAGGAAATTCGTATCCTAGCCAGGCTTCAATATATAGTCTCCTGCTGCTGCTGCTGCCGCT
 GCTGCTGCTGTAGTACCTGTTCTGTACCTGCTGATGTCACCATATACCAGAATGCAGGACCTACTATGT
 CCCAGGTGCCAACTATACTTTAACATCATCAACCCTGCCTCAAACAGGAGGCAGCCAACAGCCACCTCA
 GCCACAGCAAGCATATTCTCAGAAGGCTCTGCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011484

Insert Size: 1647 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_011484.2](#), [NP_035614.1](#)

RefSeq Size: 3720 bp

RefSeq ORF: 1647 bp

Locus ID: 20844

UniProt ID: [P70297](#)

Cytogenetics: 2 A1-A2

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).