

Product datasheet for **SC117957**

STAM1 (STAM) (NM_003473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAM1 (STAM) (NM_003473) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAM1
Synonyms:	STAM-1; STAM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117957 sequence for NM_003473 edited (data generated by NextGen Sequencing)

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ATGCCTCTTTTCCACCAATCCCTTCGATCAGGATGTTGAGAAAGCAACCAGCGAGATG
AATACTGCTGAGGACTGGGCCTCATTTTGGATATCTGTGATAAAGTTGGTCAGTCTCGC
ACTGGACCTAAGGATTGTCTTCGGTCTATTATGAGAAGAGTGAACCACAAAGATCCTCAC
GTTGCTATGCAGGCTTTGACTCTTCTAGGAGCATGTGTATCAAACGTGGCAAAATTTT
CATTTAGAAAGTATGTTCAAGAGATTTTGGCTAGTGAAGTAAGCAACGTATTAATAAAGGT
CATCCTAAAGTATGTGAAAAATTAAGGCTCTTATGGTTGAATGGACAGATGAATTTAAG
AATGATCCACAGCTTAGTCTAATATCAGCAATGATTAAGAACCTTAAGGAACAAGGAGTT
ACGTTCCAGCTATTGGCTCTCAGGCTGCAGAACAAGCAAAGCAAGCCAGCTCTTGTA
GCCAAGGATCCTGGTACTGTGGCTAACAAAAAAGAAGAAGATTTAGCAAAGCCATT
GAGTTGTCTCTCAAGGAACAAAGGCAGCAGTCAACCACCCTTTCCACTTTGTATCCAAGC
ACATCCAGTCTCTAACTAACCACCAACATGAAGGCCGAAAAGTTCGTGCTATATATGAC
TTTGAAGCTGCTGAAGACAATGAACTTACTTTTAAAGCTGGAGAAATTATTACAGTTCTT
GATGACAGTGATCCTAACTGGTGGAAAGGTGAAACCCATCAAGGCATAGGGTTATTTCT
TCTAATTTTGTGACTGCAGATCTCACTGCTGAACCAGAAATGATTAACAGAGAAGAAG
ACGGTACAATTTAGTGATGATGTTCAAGGTAGAGACAATAGAACCAGAGCCGGAACAGCC
TTTATTGATGAAGATAAAATGGACCAGTTGCTACAGATGCTGCAAAGTACAGACCCAGT
GATGATCAGCCAGACCTACCAGAGCTGCTTCATCTTGAAGCAATGTGTCACCAGATGGGA
CCTCTCATTGATGAAAAGCTGGAAGATATTGATAGAAAACATTCAGAACTCTCAGAACTT
AATGTGAAAGTGATGGAGGCCCTTCTTATATACCAAGTTAATGAACGAAGATCCGATG
TATTCATGTATGCAAAGTTACAGAATCAGCCATATTATATGCAGTCATCTGGTGTCTT
GGTCTCAGGTGTATGCAGGGCCCTCTCCAAGTGGTGCCTACCTGGTTGCAGGGAACGCG
CAGATGAGCCACCTCCAGAGCTACAGTCTTCCCCGGAGCAGCTGTCTTCTCTCAGCCAG
GCAAGTGGTCCCACCATCCGCAAACCCAGCCCTTCTAGTCAGCAGACTCAGGCCGCTTAC
CCAAATACAATGGTCAGTTCGTTCAAGGAAACACATATCCCAGCCAGGCCAGTATAT
AGTCTCTCTCTGCCGCTACTGTGCTGCTGCAACTGCCGATGCTACTCTGTACCAGAAT
GCAGGACCTAATATGCCCCAGGTGCCAAACTATAACTTAACATCATCAACTCTGCCTCAG
CCCGGAGGCAGCCAACAGCCACCTCAGCCACAGCAACCATATTCTCAGAAGGCTCTGCTA
TAG
    
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Clone variation with respect to NM_003473.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003473 unedited
TTCAGAATTTTGAATACGAACTCACTATAGGGCGGCCGCGATTCCGCACGAGGGTCCGG
GACCCTGTAGAGTCGGTCTCTGTTGCTCTTTTTGCCTGAGGAGTCTTCCATCCTACGTCC
AGCTTGACTCCCGTGTGTCGAGAGGGAGTCCCAGGGGACACCTCGGCACGACGCGGAG
ATGCCTCTTTTTGCCACCAATCCCTTCGATCAGGATGTTGAGAAAGCAACCAGCGAGATG
AATACTGCTGAGGACTGGGCCTCATTTTGGATATCTGTGATAAAGTTGGTCAGTCTCGC
ACTGGACCTAAGGATTGTCTTCGGTCTATTATGAGAAGAGTGAACCACAAAGATCCTCAC
GTTGCTATGCAGGCTTTGACTCTTCTAGGAGCATGTGTATCAAACGTGGCAAAATTTT
CATTTAGAAAGTATGTTCAAGAGATTTTGGCTAGTGAAGTAAGCAACGTATTAATAAAGGT
CATCCTAAAGTATGTGAAAAATTAAGGCTCTTATGGTTGAATGGACAGATGAATTTAAG
AATGATCCACAGCTTAGTCTAATATCAGCAATGATTAAGAACCTTAAGGAACAAGGAGTT
ACGTTCCAGCTATTGGCTCTCAGGCTGCAGAACAAGCAAAGCAAGCCAGCTCTTGTA
GCCAAGGATCCTGGTACTGTGGCTAACANAANAGAAGAAGAAGATTTAGCANCAGCCATT
TGAGTGTCTCTCAAGGACANAGGCAGCAGTCAACCACCCTTTCCACTTTGTATCCAAGCA
CATCCAGTCTCTTAACTAACCACCACCATGAAGCCGAAAAGTTCGTGCTATATATGACTTT
GAAGCTGCTGAAGACAATGAACTACTTTTAAAGCTGGAGAAATATTACAGNTCTTGATG
ACAGGGATCCCTACTGGTGAANAGGGAACCCATCG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003473 unedited CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCTACTTATTTCCATTTTAATGAAG AATTAAGGATACAATGTGTTAAAGACATATTTAAATACTAGCAAGGGATTAGACAGAC GAATCAAATTTTGTGATATCCCAAATAATTACAAGAGACTTCGAAAAATGTAGTGAATT CAGGTTTTCTTTCCAGTTAAAAATTTCTATCCATTGCCTCTATCTTTGGTGCTACTGCC ACCAATAAACACAGTATACAGCTTAGAAACCTAATTACTATCTTCAACTAGGAAAAGGTA AACCAACATCATTCTTTAAAAATGAGAAATAAGAATGTGATCGTACTTAATTTTGTCTC ATGGTCCCACTACTCTGAAATGTCATGCCAAAATGTAAGGTTCAAAAGGGAACATTA TCATTTGCTATAATTGCACCAAAAATTTAGCTACTGTACGCTGGTGTGATGACAGCCAGT AGTATGCAGAGGCTACAGAAAGACATGTAGATATATATATACACACACATATATATAT ATATCTCTTTAGCTCACAATTAGTAAAAGGTTCAAGTTAATGTGAAACTGAAACACACGA CAACATAATGCGCCTTCATGAAATACGCTAACAACTTTGTTTTCTTGAAGTTTAAAAGG ATAGTATAATTACCTTAAATTTACACAAAACATTAAGAAACATGGGNAGTCTGTTTATGA TAAAAATAAAATAGCAACGTAATTAATTTAACACAGTGTAAATATATTCACACGATCA CCACTGTGATTCANAATGGCCACTATGCAGTTAATATCATATATGTCCATACATTTGCAC ACAGTTTTGTAGTTTGACTTCTGCAGACCAGTTACAGACAATAGCTGATCATTCTTATTA TGAAGGATTATGTGAAGTAGTTCATCTTGCAGGCNNGGGGAGACTCTAAAGCGGTATGG AGAAATCT
Restriction Sites:	NotI-NotI
ACCN:	NM_003473
Insert Size:	2800 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_003473.2, NP_003464.1</u>
RefSeq Size:	2967 bp
RefSeq ORF:	1623 bp
Locus ID:	8027
UniProt ID:	<u>Q92783</u>
Cytogenetics:	10p12.33
Domains:	SH3, VHS, UIM

Protein Pathways: Endocytosis, Jak-STAT signaling pathway

Gene Summary: This gene encodes a member of the signal-transducing adaptor molecule family. These proteins mediate downstream signaling of cytokine receptors and also play a role in ER to Golgi trafficking by interacting with the coat protein II complex. The encoded protein also associates with hepatocyte growth factor-regulated substrate to form the endosomal sorting complex required for transport-0 (ESCRT-0), which sorts ubiquitinated membrane proteins to the ESCRT-1 complex for lysosomal degradation. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.