

Product datasheet for **SC116490**

STAM2 (NM_005843) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAM2 (NM_005843) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAM2
Synonyms:	Hbp; STAM2A; STAM2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC116490 sequence for NM_005843 edited (data generated by NextGen Sequencing)

```

ATGCCTTTGTTCCACCGCCAACCCCTTCGAGCAAGACGTGGAAAAAGCCACGAATGAGTAC
AACACTACAGAAGATTGGAGTCTTATTATGGACATATGTGACAAAAGTTGGAAGTACTCCT
AATGGAGCGAAAGATTGCCTAAAAGCCATAATGAAAAGGGTAAATCATAAGGTCCACAT
GTTGCTCTGCAAGCACTAACTCTTCTGGGGCTGTGTGGCAAAGTGTGGAAAGATATTT
CATTTAGAAGTATGTTCCCGTGATTTTGAACAGAAAGTACGTGCTGTGATTAATAAATAAG
GCACATCCTAAAGTATGTGAAAAACTGAAATCTTAAATGGTGGAGTGGTCAAGAAGATTT
CAGAAGGACCCTCAGTTTAGTCTGATATCTGCAACTATTAATCTATGAAAGAAGAAGGA
ATTACTTTTCTCCAGCAGGTTCTCAGACTGTCTCAGCTGCTGCCAAGAATGGTACGTCA
TCGAACAAAAACAAGAGGATGAAGACATAGCTAAAGCTATTGAATTATCGCTGCAAGAA
CAGAAACAGCAACACAGAAACAAAATCCTTATATCCATCTTCAGAAATTCAGTTAAAT
AATAAGGTTGCACGAAAGTGAGAGCTTTATATGATTTTGAAGCTGTTGAGGACAATGAA
CTCACCTTAAACATGGTGAATAATTATGTTTTGGATGACAGTGTGCCAATTGGTGG
AAAGGAGAAAATCACAGAGGAATAGGACTTTTCCCATCCAATTTTGTAACTAATTTA
AACATAGAGACTGAGGCAGCGGCTGTGGACAAATTGAATGTAATTGATGATGATGTGGAG
GAAATTAAGAAATCAGAGCCTGAGCCTGTTTATATAGATGAGGATAAGATGGATAGAGCC
CTGCAGGTAATTCAGAGTATAGATCCAACAGATTCAAAACAGACTCCCAAGACCTTTTG
GATTTAGAAGATATCTGCCAACAGATGGGTCCAATGATAGATGAAAAACTGAAGAAAT
GATAGGAAGCATTGCAATTTGTCTGAATTGAATGTTAAAGTCTGGAAGCTCTGGAAC
TATAACAAATTTGGTGAATGAAGCACCAGTGTACTCAGTCTATTCAAAGCTCCACCCTCA
GCACATTACCCACCTGCATCATCTGGGGTTCCAATGCAGACATATCCAGTTCAATCACAT
GGTGAAACTATATGGGTGAGAGCATTACCAAGTAACTGTTGCCAAAGCTATAGCCTA
GGACCCGATCAAATTTGGTCCACTGAGATCTCTGCCTCCAATGTGAATTCCTCAGTGACA
GCACAGCCTGCTCAAATTCATATTTAAGCACTGGACAAGACACTGTTTCCAATCCTACT
TATATGAACCAGAACTAACCTACAGTCACTGTTACAACACTGTTACACACAGCAA
ATGGGGATGTCTGTGGATATGTCTATCAGAACACTACTTCCAATTTGCCTCAACTG
GCAGGCTTCCGGTGACAGTTCAGCTCATCCAGTTGCACAGCAGCACACAAATACCAT
CAGCAGCCTCTCCTTTAG
    
```

Clone variation with respect to NM_005843.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005843 unedited

```

NGGTTCCGATTTTGAATACGATCTCACTATAGGGCGGCCGGAATTCGCACGAGCCGAA
GCGGAGCGGTCTAGGGAGCCGCGCCGCGGGTCAACCCGCGGGTAGCAGTTGCTGAGTGT
CAGCTAGACAGCAGCGACTAGGGCTCGGGCGCCGGCGAGATGCCTTTGTTACCCGCAAC
CCCTTCGAGCAAGACGTGNGAAAAAGCCACGAATGAGTACAACACTACAGAAGATTGGAG
TCTTATTATGGACATATGTGACAAAAGTTGGAAGTACTCCTAATGGAGCGAAAGATTGCCT
AAAAGCCATAATGAAAAGGGTAAATCATAAGGTTCCACATGTTGCTCTGCAAGCACTAAC
TCTTCTGGGGCTGTGTGGCAAAGTGTGGAAAGATATTTCAATTTAGAAGTATGTTCCCG
TGATTTTGAACAGAAGTACGTGCTGTGATTAATAAAGGCACATCCTAAAGTATGTGA
AAAAGTAAATCTTTAATGGTGGAGTGGTCAAGAAGATTTCAAGAAGACCCTCAGTTTAG
TCTGATATCTGCAACTATTAATCTATGAAAGAAGAAGGAATTTCTTCTCCAGCAGG
TTCTCAGACTGTCTCAGCTGCTGCCAAGAATGGTACGTATCGAACAAAAACAAGAGGA
TGAAGACATAGCTAAAGCTATTGAATTATCGCTGNCAGAACAGAAACAGCAACACACAGA
AACAAAATCCTTATATCCATCTTCAGAAATTCAGTTAAATAATAAGGGTGCACGGNAAGT
GAGAGCTTNTATGATTTTTGAGCTGNNTGAGACAATGAACTCACCTTTAAACATGGTGAA
AATATTATGNTTTGGATGACAGTGTGCCAATTTGGTGGNAAGNAGNAATCACNGAGGAT
AGGACTTTTCCCATCCATTTTGTACA
    
```

Restriction Sites: NotI-NotI
ACCN: NM_005843

Insert Size:	2000 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_005843.3</u> , <u>NP_005834.3</u>
RefSeq Size:	3928 bp
RefSeq ORF:	1578 bp
Locus ID:	10254
UniProt ID:	<u>O75886</u>
Cytogenetics:	2q23.3
Domains:	SH3, VHS, UIM
Protein Pathways:	Endocytosis, Jak-STAT signaling pathway
Gene Summary:	The protein encoded by this gene is closely related to STAM, an adaptor protein involved in the downstream signaling of cytokine receptors, both of which contain a SH3 domain and the immunoreceptor tyrosine-based activation motif (ITAM). Similar to STAM, this protein acts downstream of JAK kinases, and is phosphorylated in response to cytokine stimulation. This protein and STAM thus are thought to exhibit compensatory effects on the signaling pathway downstream of JAK kinases upon cytokine stimulation. [provided by RefSeq, Jul 2008]