

Product datasheet for **RG206279**

STAM2 (NM_005843) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAM2 (NM_005843) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STAM2
Synonyms:	Hbp; STAM2A; STAM2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206279 representing NM_005843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTTTGTTACCCGCCAACCCCTTCGAGCAAGACGTGGAAAAAGCCACGAATGAGTACAACACTACAG
 AAGATTGGAGTCTTATTATGGACATATGTGACAAAGTTGGAAGTACTCCTAATGGAGCGAAAAGTTGCCT
 AAAAGCCATAATGAAAAGGGTAAATCATAAGGTTCCACATGTTGCTCTGCAAGCACTAACTCTTCTGGG
 GCTTGTGTGGCAAAGTGTGAAAGATATTTCAATTTAGAAGTATGTTCCCGTGATTTTGAACAGAAGTAC
 GTGCTGTGATTAATAAAGGCACATCCTAAAGTATGTGAAAACTGAAATCTTTAATGGTGGAGTGGTC
 AGAAGAATTTGAGAAGGACCCCTCAGTTTGTGATATCTGCAACTATTAATCTATGAAAGAAGAAGGA
 ATTACTTTTCTCCAGCAGGTTCTCAGACTGTCTCAGCTGCTGCCAAGAATGGTACGTCATCGAACAAAA
 ACAAGAGGATGAAGACATAGCTAAAGCTATTGAATTATCGCTGCAAGAACAGAAACAGCAACACACAGA
 AACAAAATCCTTATATCCATCTTCAGAAATTCAGTTAAATAATAAGGTTGCACGGAAAGTGAGAGCTTTA
 TATGATTTTGAAGCTGTTGAGGACAATGAACTCACCTTTAAACATGGTGAATAATTATTGTTTTGGATG
 ACAGTGATGCCAATTGGTGGAAAGGAGAAAAATCACAGAGGAATAGGACTTTTCCCATCCAATTTGTAAAC
 AACTAATTTAAACATAGAGACTGAGGCAGCGGCTGTGGACAAATTGAATGTAATTGATGATGTGGAG
 GAAATTAAGAAATCAGAGCCTGAGCCTGTTTATATAGATGAGGATAAGATGGATAGAGCCCTGCAGGTAC
 TTCAGAGTATAGATCCAACAGATTCAAAACAGACTCCCAAGACCTTTTGGATTTAGAAGATATCTGCCA
 ACAGATGGGTCCAATGATAGATGAAAACTTGAAGAAATTGATAGGAAGCATTGAGAATTGTCTGAATTG
 AATGTTAAAGTCTGGAAGCTCTGGAACATATAACAAATTTGGTGAATGAAGCACCAGTACTCAGTCT
 ATTCAAAGCTCCACCCTCCAGCACATTACCCACTGCATCATCTGGGGTTCCAATGCAGACATATCCAGT
 TCAATCACATGGTGGAAACTATATGGGTGAGCATTACCAAGTAAGTGTGCCCAAAGCTATAGCCTA
 GGACCCGATCAAATTTGGTCCACTGAGATCTCTGCCTCCAATGTGAATTCCTCAGTGACAGCACAGCCTG
 CTCAAACCTCATATTTAAGCACTGGACAAGACTGTTTCCAATCCTACTTATATGAACCAGAACTCTAA
 CCTACAGTCACTACTGGTACAACCTGTTACACACAGCAAATGGGGATGTCTGTGGATATGTCATCTTAT
 CAGAACACTACTTCCAATTTGCCTCAACTGGCAGGCTTTCCGGTGACAGTTCAGCTCATCCAGTTGCAC
 AGCAGCACACAAATTACCATCAGCAGCCTCTCCTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206279 representing NM_005843
 Red=Cloning site Green=Tags(s)

MPLFTANPFEQDVEKATNEYNTTEDWSLIMDICKVKGSTPNGAKDCLKAIMKRVNHKVPHVALQALTLG
 ACVANCGKIFHLEVCSDRFATEVRAVIKNAHPKVCEKLSLMVEWSEEFQKDPQFSLISATIKSMKEEG
 ITFPPAGSQTVSAAKNGTSSNKNKEDEIAKAIELSLQEQQQHTETKSLYPSSEIQLNNKVARKVRAL
 YDFEAVEDNELTFKHGEIIVLDDSDANWVKGENHRGIGLFPNFTNLNIETEAADVLDLNVIDDVE
 EIKKSEPEPVYIDEDKMDRALQVLQSIDPTDSKPDSQDLLDLEDICQMGPMIDEKLEEIDRKHSELSEL
 NVKYLEALELYNKLVNEAPVYSVSKLHPPAHYPPASSGVPMQTYPVQSHGGNYMQSIHQVTVAQSYSL
 GPDQIGPLRSLPPNVNSSVTAQPAQTSYLSSTGQDVTSNPTYMNQNSNLQSATGTTAYTQQMGMSVDMSSY
 QNTTSLNPLQLAGFPVTVPAHPVAQQHTNYHQPLL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005843

ORF Size: 1575 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_005843.6](#)

RefSeq Size: 3928 bp

RefSeq ORF: 1578 bp

Locus ID: 10254

UniProt ID: [O75886](#)

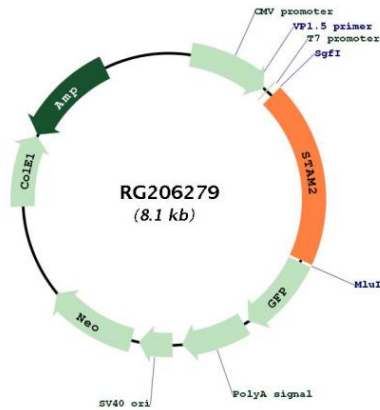
Cytogenetics: 2q23.3

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]

Product images:



Circular map for RG206279