

Product datasheet for **RG219230**

STAM1 (STAM) (NM_003473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAM1 (STAM) (NM_003473) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STAM1
Synonyms:	STAM-1; STAM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219230 representing NM_003473
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTTTTTGCCACCAATCCCTTCGATCAGGATGTTGAGAAAGCAACCAGCGAGATGAATACTGCTG
 AGGACTGGGGCCCTATTTTGGATATCTGTGATAAAGTTGGTCAGTCTCGACTGGACCTAAGGATTGTCT
 TCGGTCTATTATGAGAAGAGTGAACCACAAAGATCCTCACGTTGCTATGCAGGCTTTGACTCTTCTAGGA
 GCATGTGTATCAAAGTGGCAAATTTTTCAATTTAGAAGTATGTTCAAGAGATTTTGTAGTGAAGTAA
 GCAACGTATTAATAAGGGTCATCTAAAGTATGTGAAAAATTAAGGCTCTTATGGTTGAATGGACAGA
 TGAATTTAAGAATGATCCACAGCTTAGTCTAATATCAGCAATGATTAAGAACCTTAAGGAACAAGGAGTT
 ACGTTCACAGCTATTGGCTCTCAGGCTGCAGAACAAAGCAAGCCAGCTCTTGTAGCCAAGGATC
 CTGGTACTGTGGTAACAAAAAAGAAGAAGATTTAGCAAAAGCCATTGAGTTGTCTCTCAAGGAACA
 AAGGCAGCAGTCAACCACCTTTCCACTTGTATCCAAGCACATCCAGTCTTAACTAACCACCAACAT
 GAAGGCCGAAAAGTTCGTGCTATATATGACTTTGAAGCTGCTGAAGACAATGAACCTACTTTAAAGCTG
 GAGAAATTATTACAGTTCCTGATGACAGTGATCCTAACTGGTGGAAAGGTGAAACCCATCAAGGCATAGG
 GTTATTTCTTCTAATTTTGTGACTGCAGATCTCACTGCTGAACCAGAAATGATTAACAGAGAAGAAG
 ACGGTACAATTTAGTGATGATGTTCCAGGTAGAGACAATAGAACCAGAGCCGGAACCAGCCTTTATTGATG
 AAGATAAATGGACCAGTTGCTACAGATGCTGCAAAGTACAGACCCAGTGATGATCAGCCAGACCTACC
 AGAGCTGCTTTCATCTTGAAGCAATGTGTACCAGATGGGACCTCTCATTGATGAAAAGCTGGAAGATTT
 GATAGAAAACATTCAGAATCTCAGAATTAATGTGAAAGTATGAAAGTATGAAAGTATGAAAGTATGAAAGT
 TAATGAACGAAGATCCGATGTATTCATGTATGCAAAGTTACAGAATCAGCCATATTATATGCAGTATC
 TGGTGTCTGGTTCTCAGGTGTATGCAGGGCCTCCTCCAAGTGGTGCCTACCTGGTTGCAGGGAACGCG
 CAGATGAGCCACCTCCAGAGCTACAGTCTTCCCCCGGAGCAGCTGTCTTCTCTCAGCCAGCAGTGGTCC
 CACCATCCGAAACCCAGCCCTTCTAGTCAGCAGACTCAGGCCGCTTACCCAAATACAATGGTCAGTTC
 CGTTCAAGGAAACACATATCCCAGCCAGGCGCCAGTATATAGTCTCCTCCTGCCGCTACTGCTGCTGCT
 GCAACTGCCGATGCTACTCTGTACCAGAATGCAGGACCTAATATGCCCCAGGTGCCAAACTATAACTTAA
 CATCATCAACTCTGCCTCAGCCCGGAGGCACCAACAGCCACCTCAGCCACAGCAACCATATTCTCAGAA
 GGCTCTGCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219230 representing NM_003473
 Red=Cloning site Green=Tags(s)

MPLFATNPFQDVEKATSEMNTAEDWGLILDICDKVQSRTGPKDCLRSIMRRVNHKDPHVAMQALTLG
 ACVSNCGKIFHLEVCSRDFASEVSNVLNKGHPKVEKLLKALMVEWTFKNDPQLSLISAMIKNLKEQGV
 TFPAIGSQAAEQAKASPALVAKDPGTVANKKEEDLAKAIELSLKEQRQSTTLSTLYPSTSSLLTNHQH
 EGRKVRAIYDFEAAEDNELTFKAGEIITVLDSDPNWWKGETHQIGLFPNSFVTADLTAPEMIKTEKK
 TVQFSDDVQVETIEPEPEPAFIDEDKMDQLLQMLQSTDPDQDLPELLHLEAMCHQMGPLIDEKLEDI
 DRKHSELSELNVKVMESLYTKLMNEDPMYSYAKLQNPYYMQSSGVSQVYAGPPPSGAYLVAGNA
 QMSHLQSYSLPPEQLSSLQAVVPPSANPALPSQQTQAAYPNTMVSSVQNTYPSQAPVYSPPPAATAAA
 ATADVTLYQAGPNMPQVPNYNLTSSTLPQPGGSQPPQPPQPYQKALL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003473

ORF Size: 1620 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_003473.4](#)

RefSeq Size: 2967 bp

RefSeq ORF: 1623 bp

Locus ID: 8027

UniProt ID: [Q92783](#)

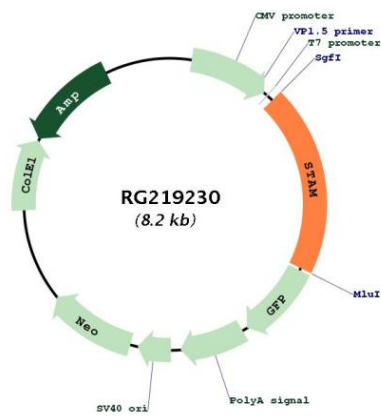
Cytogenetics: 10p12.33

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]

Product images:



Circular map for RG219230