

Product datasheet for **RG203523**

Sts1 (UBASH3B) (NM_032873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sts1 (UBASH3B) (NM_032873) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sts1
Synonyms:	p70; STS-1; STS1; TULA-2; TULA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203523 representing NM_032873
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGTACGGCCACCCAGTCCGCTCGGCATGGCTGCGAGAGAGGAGCTGTACAGCAAAGTACCC
 CCCGGAGGAACCGCCAACAGCGCCCGGCACCATCAAGCATGGATCGGGCTGGACGTGCTCCTCCAT
 GGGTTCCCCAGAGCCCGCACAAAAAGCCTTGGCATCCACGGGAGGAAGAAGTTTCAGGCAGCATGT
 GACTGGTTATTCTCCATGTGCGGTGACCCCTTCTGGATGACCCCTGCCCGGGAGTACGTCTCTACC
 TCCGTCCACCGGCCCTTAGCACAGAAGCTTCCGACTTTTGGCAGCAGTGAAGCAGATCTGCGGGAA
 GAACAAGGCACACAACATCTCCCCACATCACACTCTGCCAGTCTTTATGTGCGAGGACAGCAAGGTG
 GATGCCCTGGGGAAAGCCCTGCAGACCAGGTGAGTGGTAAATGTAAGTTCTCGGCCCGCTGCCCC
 TGGAGCTATACGTGTCCTCACTTTCATCGGCCTTTTGTAAAGGAAGACAGTGGGAGGTCCTCAAGAA
 GTTTGCTGCTGACTTTGCTGCAGAGGCTGCATCCAAAACGAAGTGCATGTGGAACCTCATAAGAAGCAG
 CTACATGTGACCTGGCTTACCCTTCCAAGCCAGCCACCTACCCACCCTAGAGAAAAGTGGCCAGAAACA
 TTGACGTCAAGCTAGGGTGTGACTGGGTGGCTACCATATTTTCTCGGGATATCCGATTTGCTAACCATGA
 GACATTACAGGTCACTACCCCTATACCCACAAAATGACGATGAGCTGGAGCTGGTCCCGGGGACTTC
 ATCTTCATGTCTCCAATGGAGCAGACCAGCAGCGAGGGTTGGATCTATGGCACGTCTTAACCCCG
 GCTGCTCTGGACTCCTGCCTGAGAATTACATTACCAAGGCTGATGAATGCAGCACCTGGATATTTTCATGG
 TTCTTATTCAATCTTAAATACATCGTCATCCAACCTCTCACGTTTGGGGATGGAGTATTGGAGAGGCGG
 CCTTATGAGGACCAGGGCTCGGGGAGACGACTCCTTACTATCATCTGCCAGCCATGCAGCCGCTGA
 GGGTCAACAGCCAGCCCGGCCCCAGAAGCGATGCCTTTTGTGTGTCGGCATGGTGAGAGGATGGATGT
 TGTGTTTGGGAAGTACTGGCTGTCCAGTGTCTCGATGCCAAAGGCCGCTACATACGCACCAACCTGAAC
 ATGCCTCATAGTTTACCTCAGCGGAGTGGTGGTTTCCGAGATTACGAGAAAGATGCTCCCATCACTGTGT
 TTGGATGCATGCAAGCAAGACTAGTGGGTGAAGCCTTATTAGAGAGCAATACCATTATCGATCATGTCTA
 TTGCTCCCGTCCCTTTCGCTGCGTTCAGACTGCACACAATATCTTGAAGGTTTACAACAAGAAAATCAC
 TTGAAGATCCGTGTAGAGCCCGCTTATTTGAGTGGACAAAATGGGTGCTGGGAGCACATTACCTGCAT
 GGATACCTCCATCAGAGTTAGCTGCAGCAACCTGAGTGTGATACAACCTACAGACCTCACATTCCAAT
 CAGCAAATTAGTTGTTTTCAGAATCCTATGATACTTATATCAGTAGAAGTTTCCAAGTAAACAAAAGAATA
 ATAAGTGAATGTAAAAGTAAAGGAAATAACATCCTGATTGTGGCCACGCATCTTCCCTGAAGCGTGTGA
 CCTGCCAACTTACGGGCTGTCACTCAGAATCCAAGGACTTCGTACAATGGTCCGAAAGATCCCATAT
 TCTGGGATTTTGTCTGTGAAGAATTAGGAGAAAGTGAATATGGCAGCTGACAGATCCACCAATCCTT
 CCTTTACCCATGGACCAACTGGGGCTTCAACTGGAGAGAGACCTTGCTTCAAGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203523 representing NM_032873
 Red=Cloning site Green=Tags(s)

MAQYGHPSPLGMAAREELYSKVTPRRNRQRPQTIKHSALDVLVSMGFPRARAQKALASTGGRSVQAAC
 DWLFSHVGDPLDDPLPREYVLYLRPTGPLAQKLSDFWQSKQICGKNKAHNIFFPHITLQFFMCDSDKV
 DALGEALQTTVSRWKCKFSAPLPLELYTSSNFIKLVKEDSAEVLKFAADFAEAASKTEVHVPHKKQ
 LHVTLAYHFQASHLPTLEKLAQNIQVLDVKGCDWVATIFSRDIRFANHETLQVIYPYTPQNDDELELVPDGF
 IFMSPMEQTSTSEGWIYGTSLTTGCSGLLPENYITKADECSTWIFHGSYSILNTSSNSLTFGDGVLERR
 PYEDQGLGETTPLTIICQPMQPLRVNSQPGPQKRCLFVCRHGERMDVVFVKYWLSCFDKAGRYIRTNLN
 MPHSLPQRSGGFRDYEKDAPITVFGCMQARLVGEALLESENTIIDHVYCSPLRVCQTAHNILKGLQENH
 LKIRVEPGLFEWTKWVAGSTLPAWIPPELAAANLSDVTTYRPHIPISKLVVSESYDTYISRSFQVTKIEI
 ISECKSKGNLIVAHASSLEACTQLQGLSPQNSKDFVQVMRKIPYLGFCSEELGETGIWQLTDPPIIL
 PLTHGPTGGFNWRETLLE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_032873

ORF Size: 1947 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_032873.5](#)

RefSeq Size: 6882 bp

RefSeq ORF: 1950 bp

Locus ID: 84959

UniProt ID: [Q8TF42](#)

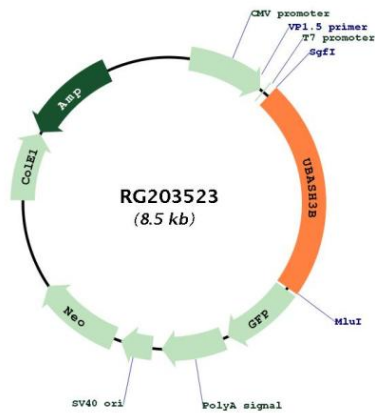
Cytogenetics: 11q24.1

Domains: UBA, PGAM, SH3

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Gene Summary: This gene encodes a protein that contains a ubiquitin associated domain at the N-terminus, an SH3 domain, and a C-terminal domain with similarities to the catalytic motif of phosphoglycerate mutase. The encoded protein was found to inhibit endocytosis of epidermal growth factor receptor (EGFR) and platelet-derived growth factor receptor. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203523