

## Product datasheet for **SC319198**

### Sts1 (UBASH3B) (NM\_032873) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sts1 (UBASH3B) (NM_032873) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sts1
Synonyms:	p70; STS-1; STS1; TULA-2; TULA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_032873.3  
GACTGCTAGGCGAGGAGAGGGAAGGGGGCGAGGAGACAGGGCTACTGCAGGCGCAGAGC  
TGGGGGCAGCCGGGGCCCGAGTGGCTGAGGCTGGTCCCGCAGCGCCGCTTGCCGGCGT  
TCTGGCTCCTGTGGCCTCACCAGGAAGCGTCAGAGTCCCGACACTGGGGAAGCTCGGAGC  
GCCGCCTCCGCTGCCCGCCCTCCTGCCTGGCTCTGGGTCCCGAGCCCCCTCCCTGGC  
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ATGTGCGTGACCCCTTCTGGATGACCCCTGCCCGGGAGTACGTCCTCTACCTCGGTC  
CCACCGGCCCTTAGCACAGAAGCTTTCGACTTTTGGCAGCAGTCAAGCAGATCTGCG  
GGAAGAACAAAGGCACACAACATCTTCCCCACATCACACTCTGCCAGTTCTTTATGTGCG  
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CTTACCACTTCCAAGCCAGCCACCTACCCACCTAGAGAACTGGCCAGAACATTGACG  
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TCCCCGGGACTTCATCTTCATGTCTCCAATGGAGCAGACCAGCACCAGCGAGGGTTGGA  
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AGGCTGATGAATGCAGCACCTGGATATTTATGTTCTTATTCAATCTTAAATACATCGT  
CATCCAACCTCTCACGTTTGGGATGGAGTATTGGAGAGCGGCCTTATGAGGACCAGG  
GGCTCGGGGAGACGACTCCTTACTATCATCTGCCAGCCATGCAGCCGCTGAGGGTCA  
ACAGCCAGCCCGCCCCAGAAGCGATGCCTTTTGTGTGTCGGCATGGTGAAGGATGG  
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GCACCAACCTGAACATGCCTCATAGTTTACCTCAGCGGAGTGGTGGTTTCCGAGATTACG
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CAATCAGCAAATTAGTTGTTTTCAGAATCCTATGATACTTATATCAGTAGAAGTTTCCAAG
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ATTATACTTACTTCTGCATTTAGAGGGAGTTATTTAAAAGAAAATAAATGACAATCAAA
CCAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_032873
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_032873.3](#), [NP\\_116262.2](#)

**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]