

## Product datasheet for **SC319337**

### STUB1 (NM\_005861) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STUB1 (NM_005861) Human Untagged Clone
Tag:	Tag Free
Symbol:	STUB1
Synonyms:	CHIP; HSPABP2; NY-CO-7; SCA48; SCAR16; SDCCAG7; UBOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005861 edited  
CACGAGGCTGCGGGGCTCCGGCTGCGGGCGCTGGGCCGCGAGGCGCGGAGCTTGGGAGCG  
GAGCCCAGGCCGTGCCGCGCGGCCATGAAGGGCAAGGAGGAGAAGGAGGGCGGCAC  
GGCTGGGCGCTGGCGGCGAAGCCCGAGAAGAGCCCGAGCGCGCAGGAGCTCAAGGAGC  
AGGCAATCGTCTGTTCTGTTGGGCGAAAGTACCCGGAGGCGGCGCCTGTACGGCCGCG  
CGATCACCCGGAACCCGCTGGTGGCCGTATTACACCAACCGGGCCTTGTGCTACCTGA  
AGATGCAGCAGCAGCAGCAGGCCCTGGCCGACTGCCGCGCGCCCTGGAGCTGGACGGGC  
AGTCTGTGAAGGCGCACTTCTTCTGGGGCAGTGCCAGCTGGAGATGGAGAGCTATGATG  
AGGCCATCGCAATCTGCAGCGAGCTTACAGCCTGGCCAAGGAGCAGCGGCTGAACCTCG  
GGGACGACATCCCAGCGCTCTTCAATCGCGAAGAAGAAGCGCTGGAACAGCATTGAGG  
AGCGGCGCATCCACCAGGAGAGCGAGCTGCACTCCTACCTCTCCAGGCTCATTGCCGCGG  
AGCGTGAGAGGGAGCTGGAAGAGTGCCAGCGAAACCACGAGGGTGATGAGGACGACAGCC  
ACGTCCGGGCCCAGCAGGCTGCATTGAGGCCAAGCAGCAAGTACATGGCGGACATGG  
ACGAGCTTTTTTCTCAGGTGGATGAGAAGAGGAAGAAGCGAGACATCCCCGACTACCTGT  
GTGGCAAGATCAGCTTTGAGCTGATGCGGGAGCCGTGCATCACGCCAGTGGCATCACCT  
ACGACCGCAAGGACATCGAGGAGCACCTGCAGCGTGTGGGTCAATTTGACCCCGTGACCC  
GGAGCCCCCTGACCCAGGAACAGCTCATCCCCAATTGGCTATGAAGGAGTTATTGACG  
CATTCACTCTGAGAATGGTGGTGGAGGACTACTGAGGTTCCCTGCCCTACCTGGCGT  
CCTGGTCCAGGGAGCCCTGGGCGAAGCCCGGCCCTATACATAGTTTATGTTCTCTG  
GCCACCCGACCGCTTCCCCCAAGTTCTGCTGTTGGACTCTGGACTGTTTCCCTCTCAG  
CATCGCTTTTGTGGCCGTGATCGTCCCCTTTGTGGGTGGAAGCAGGTGAGGGTG  
GGCTGGGCTGAGGCCATTGCCGCACTATCTGTGTAATAAAATCCGTGAGCACGAGGTGG  
GACGTGCTGGTGTGTGAAA  
A

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_005861
<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005861.2</a></u> , <u><a href="#">NP_005852.2</a></u>
<b>RefSeq Size:</b>	1646 bp
<b>RefSeq ORF:</b>	912 bp
<b>Locus ID:</b>	10273
<b>UniProt ID:</b>	<u><a href="#">Q9UNE7</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	TPR, U-box
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	<p>This gene encodes a protein containing tetratricopeptide repeat and a U-box that functions as a ubiquitin ligase/cochaperone. The encoded protein binds to and ubiquitinates shock cognate 71 kDa protein (Hspa8) and DNA polymerase beta (Polb), among other targets. Mutations in this gene cause spinocerebellar ataxia, autosomal recessive 16. Alternative splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 2. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (a).</p>