

Product datasheet for **RC236753**

STUB1 (NM_001293197) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STUB1 (NM_001293197) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STUB1
Synonyms: CHIP; HSPABP2; NY-CO-7; SCA48; SCAR16; SDCCAG7; UBOX1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236753 representing NM_001293197
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGCAGCACGAGCAGGCCCTGGCCGACTGCCGGCGCCCTGGAGCTGGACGGGCAGTCTGTGAAGG
CGCACTTCTTCTGGGGCAGTGCCAGCTGGAGATGGAGAGCTATGATGAGGCCATCGCCAATCTGCAGCG
AGCTTACAGCCTGGCCAAGGAGCAGCGCTGAACCTCGGGGACGACATCCCAGCGCTCTTCAATCGCG
AAGAAGAAGCGCTGGAACAGCATTGAGGAGCGGCGCATCCACCAGGAGAGCGAGCTGCACTCCTACCTCT
CCAGGCTCATTGCCGCGGAGCGTGAGAGGGAGCTGGAAGAGTGCCAGCGAAACCACGAGGGTGATGAGGA
CGACAGCCACGTCCGGGCCAGCAGGCCTGCATTGAGGCCAAGCACGACAAGTACATGGCGGACATGGAC
GAGCTTTTTTCTCAGGTGGATGAGAAGAGGAAGAAGCGAGACATCCCCGACTACCTGTGTGGCAAGATCA
GCTTTGAGCTGATGCGGGAGCCGTGCATCACGCCAGTGGCATCACCTACGACCAGCAAGGACATCGAGGA
GCACCTGCAGCGTGTGGGTCAATTTGACCCCGTGACCCGGAGCCCCCTGACCCAGGAACAGCTCATCCCC
AACTTGGCTATGAAGGAGTTATTGACGCATTCATCTCTGAGAATGGCTGGGTGGAGGACTAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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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:	<ol style="list-style-type: none">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_001293197.2
RefSeq Size:	1739 bp
RefSeq ORF:	696 bp
Locus ID:	10273
UniProt ID:	Q9UNE7
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	27.5 kDa
Gene Summary:	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]