

Product datasheet for **RG236753**

STUB1 (NM_001293197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STUB1 (NM_001293197) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STUB1
Synonyms:	CHIP; HSPABP2; NY-CO-7; SCA48; SCAR16; SDCCAG7; UBOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236753 representing NM_001293197. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCAGCACGAGCAGGCCCTGGCCGACTGCCGGCGGCCCTGGAGCTGGACGGGCAGTCTGTGAAG
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CTCTCCAGGCTCATTGCCGGGAGCGTGAGAGGGAGCTGGAAGAGTGCCAGCGAAACCACGAGGGTGAT
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ATCGAGGAGCACCTGCAGCGTGTGGTCAATTTGACCCCGTGACCCGGAGCCCCCTGACCCAGGAACAG
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TAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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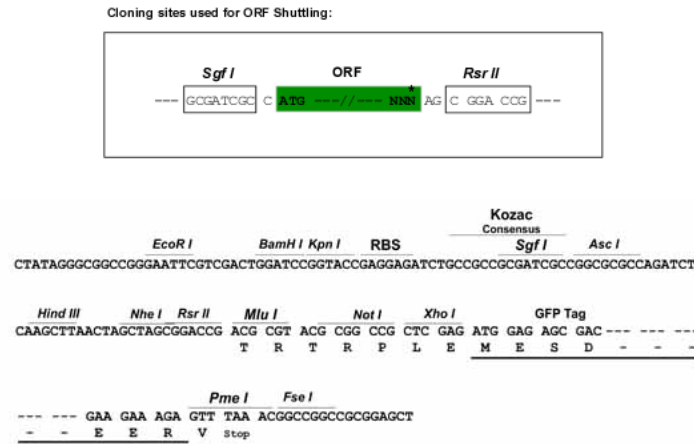
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Protein Sequence: >Peptide sequence encoded by RG236753
 Blue=ORF Red=Cloning site Green=Tag(s)

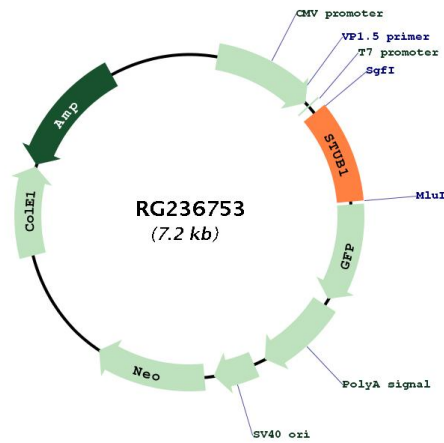
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 MDELFSQVDEKRRKRDIPTYLCKGISFELMREPCITPSGITYDRKDIEEHLQRVGHFDPVTRSPLTQEQ
 LIPNLAMKEVIDAFISENGWVEDY
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 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293197

ORF Size:	693 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).
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]