

Product datasheet for **SC336904**

STIP1 (NM_001282652) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STIP1 (NM_001282652) Human Untagged Clone
Tag:	Tag Free
Symbol:	STIP1
Synonyms:	HEL-S-94n; HOP; IEF-SSP-3521; P60; STI1; STI1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336904 representing NM_001282652.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGTCCGGCAGCCCAATGGGAGAGGTGAAATTTCCAGAACGATCAGAACCAATGGGCGGCCAG
CGCGGCTACGATTGGCAGTGCAAAAGACCAATCCGTGTGCGAGAAGTTCGCTCCTCCTCCATTCGTGG
AGCCTGAGATGGGTCAATGAGCTGAAGGAGAAAGGCAACAAGGCCCTGAGCGTGGTAACATCGATGAT
GCCTTACAGTGCTACTCCGAAGCTATTAAGCTGGATCCCCACAACCACGTGCTGTACAGCAACCGTTCT
GCTGCCTATGCCAAGAAAGGAGACTACCAGAAGGCTTATGAGGATGGCTGCAAGACTGTCGACCTAAAG
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AACAGCCTTCTGACCTGGGCACGAAACTACAAGATCCCGGATCATGACCACTCTCAGCGTCTCCTT
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AAGGAGACCAAGCCAGAGCCAATGGAAGAAGATCTCCAGAGAATAAGAAGCAGGCACTGAAAGAAAAA
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ATTGCCAAAGCATATGCTCGAATTGGCAACTCTACTTCAAAGAAGAAAAGTACAAGGATGCCATCCAT
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AACGAGTGTTTTCAGAAAAGGGGACTATCCCCAGGCCATGAAGCATTATACAGAAGCCATCAAAGGAAC
CCGAAAGATGCCAAATTATACAGCAATCGAGCTGCCTGCTACACCAAACCTCTGGAGTTCAGCTGGCA
CTCAAGGACTGTGAGGAATGTATCCAGCTGGAGCCGACCTTATCAAGGGTTATACACGAAAGCCGCT
GCGCTGGAAGCGATGAAGGACTACACCAAAGCCATGGATGTGTACCAGAAGGCGCTAGACCTGGACTCC
AGCTGTAAGGAGGCGGCAGACGGCTACCAGCGCTGTATGATGGCGCAGTACAACCGGCACGACAGCCCC
GAAGATGTGAAGCGACGAGCCATGGCCGACCCTGAGGTGCAGCAGATCATGAGTGACCCAGCCATGCGC
CTTATCCTGGAACAGATGCAGAAGGACCCAGGCACTCAGCGAACACTTAAAGAATCCTGTAATAGCA
CAGAAGATCCAGAAGCTGATGGATGTGGGTCTGATTGCAATTCGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001282652

Insert Size: 1773 bp

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).

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_001282652.1
RefSeq Size:	2766 bp
RefSeq ORF:	1773 bp
Locus ID:	10963
UniProt ID:	P31948
Cytogenetics:	11q13.1
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Prion diseases
MW:	68.1 kDa
Gene Summary:	<p>STIP1 is an adaptor protein that coordinates the functions of HSP70 (see HSPA1A; MIM 140550) and HSP90 (see HSP90AA1; MIM 140571) in protein folding. It is thought to assist in the transfer of proteins from HSP70 to HSP90 by binding both HSP90 and substrate-bound HSP70. STIP1 also stimulates the ATPase activity of HSP70 and inhibits the ATPase activity of HSP90, suggesting that it regulates both the conformations and ATPase cycles of these chaperones (Song and Masison, 2005 [PubMed 16100115]).[supplied by OMIM, Jul 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>