

Product datasheet for **RG238694**

STIP1 (NM_001282653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STIP1 (NM_001282653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STIP1
Synonyms:	HEL-S-94n; HOP; IEF-SSP-3521; P60; STI1; STI1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238694 representing NM_001282653.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGCAGGTCAATGAGCTGAAGGAGAAAGGCAACAAGGCCCTGAGCGTGGGTAACATCGATGATGCC
TTACAGTGTCTACTCCGAAGCTATTAAGCTGGATCCCCACAACCAGTGTGTACAGCAACCGTTCTGCT
GCCTATGCCAAGAAAGGAGACTACCAGAAGGCTTATGAGGATGGCTGCAAGACTGTCGACCTAAAGCCT
GACTGGGGCAAGGGCTTAAAACACGAGGCAAAATACCCTCAACTGAAAGAGGGTTTACAGAATATGGAG
GCCAGGTTGGCAGAGAGAAAATTCATGAACCTTTCAACATGCCTAATCTGTATCAGAAGTTGGAGAGT
GATCCCAGGACAAGGACTACTCAGTGATCCTACCTACCGGGAGCTGATAGAGCAGCTACGAAACAAG
CCTTCTGACCTGGGCACGAAACTACAAGATCCCCGGATCATGACCACTCTCAGCGTCTCCTTGGGGTC
GATCTGGGCAGTATGGATGAGGAGGAAGAGATTGCAACACCTCCACCACCACCCCTCCAAAAAGGAG
ACCAAGCCAGAGCCAATGGAAGAAGATCTCCAGAGAATAAGAAGCAGGCACTGAAAGAAAAAGAGCTG
GGGAACGATGCCTACAAGAAGAAAGACTTTGACACAGCCTTGAAGCATTACGACAAGCCAAAGGAGCTG
GACCCCACTAACATGACTTACATTACCAATCAAGCAGCGGTATACTTTGAAAAGGGCGACTACAATAAG
TGCCGGGAGCTTTGTGAGAAGGCCATTGAAGTGGGGAGAGAAAACCGAGAAGACTATCGACAGATTGCC
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AACAAAGTCTCTGGCAGAGCACCGAACCCAGATGTGCTCAAGAAATGCCAGCAGGAGAGAAAAATCCTG
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TGTTTTCAGAAAGGGGACTATCCCAGGCCATGAAGCATTATACAGAAGCCATCAAAGGAAACCCGAAA
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GACTGTGAGGAATGTATCCAGCTGGAGCCGACCTTCATCAAGGGTTATACACGAAAGCCGCTGGCTG
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GTGAAGCGACGAGCCATGGCCGACCCTGAGGTGCAGCAGATCATGAGTGACCCAGCCATGCGCCTTATC
CTGGAACAGATGCAGAAGGACCCCAAGGCACTCAGCGAACACTTAAAGAATCCTGTAATAGCACAGAAG
ATCCAGAAGCTGATGGATGTGGGTCTGATTGCAATTCGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238694
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAAYAKKGDYQKAYEDGCKTVDLKP
DWGKGLKHEANNPQLKEGLQNMEARLAERKFMNPFNMPNLVYQKLESDPRTRTLLSDPTYRELIEQLRNK
PSDLGTLQDPRIMTTLVLLGVDLGSMDDEEEEIATPPPPPPPKKTKPEPMEEDLPENKKQALKEKEL
GNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAVYFEKGDYNKCRELCEKAIIEVRENREDYRQIA
KAYARIGNSYFKEEKYKDAIHFYKSLAEHRTPDVLKCKQQAELILKEQERLAYINPDLALEEKNGNE
CFQKGDYPQAMKHYTEAIKRNPKDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRKAAAL
EAMKDYTKAMDVYQKALDLDSCKEADGYQRCMMAQYNRHSDPEDVKRRAMADPEVQQIMSDPAMRLI
LEQMOKDPQALSEHLKNPVIAQKIQKLMVGLIAIR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

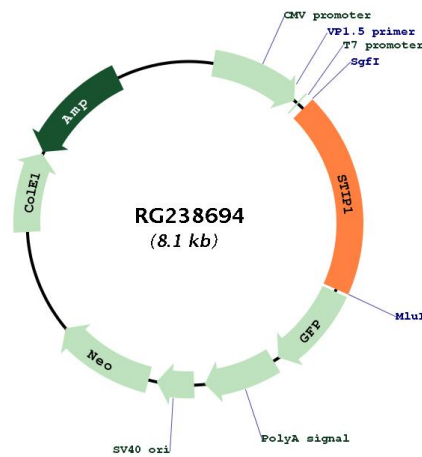
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001282653
ORF Size:	1557 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_001282653.2
RefSeq Size:	2147 bp
RefSeq ORF:	1560 bp
Locus ID:	10963
UniProt ID:	P31948
Cytogenetics:	11q13.1
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Prion diseases
MW:	60.2 kDa
Gene Summary:	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]