

Product datasheet for **SC115796**

STCH (HSPA13) (NM_006948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STCH (HSPA13) (NM_006948) Human Untagged Clone
Tag:	Tag Free
Symbol:	STCH
Synonyms:	STCH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115796 sequence for NM_006948 edited (data generated by NextGen Sequencing)

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ATGGCCAGAGAGATGACGATCTTAGGATCGGCTGTTTTGACTCTCCTGTTGGCCGGCTAT
TTGGCACAAACAGTATTTACCATTGCCTACTCCTAAAGTGATTGGTATTGATCTTGGCACC
ACCTATTGTTCTGTTGGGGTGTTTTTCTGGCACAGGAAAAGTAAAGGTGATCCAGAT
GAAAATGGGCATATCAGCATACCCAGCATGGTGTCTTTACTGACAATGATGTATATGTG
GGATATGAAAGCGTAGAGCTGGCAGATTCAAATCCTCAAAACACAATATATGATGCCAAA
AGATTCATAGGCAAGATTTTTACCGCAGAAGAGTTGGAGGCTGAAATTGGCAGATACCCA
TTTAAGGTTTTAAACAAAATGGAATGGTTGAGTTTTCTGTGACAAGTAATGAGACCATC
ACAGTGTCCCCAGAATATGTTGGCTCTCGACTATTGTTGAAGTTAAAGGAAATGGCAGAG
GCATATCTTGAATGCCAGTTGCCAATGCTGTCATTTCTGTACCAGCAGAATTTGATCTA
AAACAGAGAAATCAACAATTGAAGCTGCTAACCTTGCCAGGACTGAAGATTTTGAGGGTA
ATAAATGAACCCACAGCAGCAGCTATGGCCTATGGTCTCCACAAGGCTGACGTCTCCAC
GTCTTGGTGATAGACTTGGGCGGAGGAAGTCTAGATGTGTCTTTACTGAATAACAAGGA
GGGATGTTTCTAACCCGAGCAATGTCTGGAACAATAAACTTGGAGGACAGGACTTCAAT
CAGAGATTGCTTCAGTACTTATATAAACAGATCTATCAAACATATGGCTTCGTGCCCTCT
AGGAAAGAGGAAATCCACAGATTGAGACAAGCTGTGGAATGGTCAAATTAATCTGACT
CTTCATCAATCTGCTCAGTTGTCAGTATTACTAACGGTGGAGGAGCAGGACAGGAAGGAA
CCTCACAGTAGTGACACTGAACTGCCAAAAGACAACTTTCTCAGCAGATGACCATCGC
GTGAACAGTGGGTTTGGAGCTGGCCTTTCTGATAAGAAAAGTGGAGAAAGTCAGGTTTTA
TTTGAACAGAAATATCACGGAACTCTTTGATACCTTAATGAAGACCTTTTCAGAAA
ATACTGGTACCCATTAGCAAGTATTGAAAGAAGGCCACCTGGAAAAGACTGAGATTGAT
GAGGTGGTTTTAGTTGGGGGCTCCACTCGTATTCTCGGATCCGTCAAGTCATTCAAGAG
TTCTTTGAAAAGATCCCAACACATCTGTAGACCCTGACCTAGCAGTAGTAACGGGAGTG
GCTATCCAAGCAGGATTGATGGAGGCTCTTGGCCTCTCCAAGTCAGTGCTTTAGAAATT
CCCAATAAGCATTACAAAAACCAACTCAACTGA
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Clone variation with respect to NM_006948.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006948 unedited

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NGGGTTCAAATTTGTATACGACTCACTATAGGCGCCGCGAATTCGCACGAGGGACTGTG
ATGGCCAGAGAGATGACGATCTTAGGATCGGCTGTTTTGACTCTCCTGTTGGCCGGCTAT
TTGGCACAAACAGTATTTACCATTGCCTACTCCTAAAGTGATTGGTATTGATCTTGGCACC
ACCTATTGTTCTGTTGGGGTGTTTTTCTGGCACAGGAAAAGTAAAGGTGATCCAGAT
GAAAATGGGCATATCAGCATACCCAGCATGGTGTCTTTACTGACAATGATGTATATGTG
GGATATGAAAGCGTAGAGCTGGCAGATTCAAATCCTCAAAACACAATATATGATGCCAAA
AGATTCATAGGCAAGATTTTTACCGCAGAAGAGTTGGAGGCTGAAATTGGCAGATACCCA
TTTAAGGTTTTAAACAAAATGGAATGGTTGAGTTTTCTGTGACAAGTAATGAGACCATC
ACAGTGTCCCCAGAATATGTTGGCTCTCGACTATTGTTGAAGTTAAAGGAAATGGCAGAG
GCATATCTTGAATGCCAGTTGCCAATGCTGTCATTTCTGTACCAGCAGAATTTGATCTA
AAACAGAGAAATCAACAATTGAAGCTGCTAACCTTGCCAGGACTGAAGATTTTGAGGGTA
ATAAATGAACCCACAGCAGCAGCTATGGCCTATGGTCTCCACAAGGCTGACGTCTCCAC
GTCTTGGTGATAGACTTGGGCGGAGGAAGTCTAGATGTGTCTNTACTGAATAACAANGA
GGNATGTTTCTAACCCGAGCAATGTCTGGAACAATAAACTTNGAGACAGGACTTCATC
AGAGATTGCTTCAGTACTTATATAAACAGATCTATCAAACATATNGGCTTCGTGCCCTCT
AGNAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006948 unedited NGGGTTATGTGNATATTAACCTGTNATTCTNATATNCTTNCAAATACAATGGGGTATGA CAGNAAATCAAACGTGTTATATTTCTTTCTTGGTCCCTGTGGTTTTTCTTAAAGGAAACA AACAAACAAAAACAACAACCTCTGCTCCAAATGCCAATTTGTAGAAACCTTGCCACAATGG CTTCCACATTAGATTTCCACGTTACTTCCAGTATTCACAAATTTTTGCTTTCATTACAA ACTAACCTAATGTTTGAAAAGAGTCCAAGTGTGATTATTTAAAAATAATAATAGAAAAACA ATAACACAGCTTTTATAATTGAGCACATTTTCTCATTCAAACCTAAATATGAGGAAAAA TCTCCGTAAAACGGAACCAAAACCAATTTAGTAGCTCAATTCATGCTATATTCGCCAGGG CTTACTGAAAATATAACAAAGAAACAAATACAGTAGGTAATTGATGCTATTTGCCAATG TTTGCAAAGGTCTTGATAACAAAAATAAGATAGCAATCATGGCTTTATTATGACATTA CACATTCTCAAATGCAATTACCAATTTTATTCTCTAACCAACAGAATAATGGAATCC AAGCAGAGAATGATGTACAGGACATAAAGGAACTAGAATATAATTGGGTATTTCTACTAT ATGGTGTGAAACATTTGAATACCTTTAGAAATAAAATAAATTCATCTATTAACACATA AAACCTCTGGAGAATGCAGATTACAAGAATATGACACTTAACAGGATACTGAATTTGTGA ATGTAATNTGTTATATAAATATGGCAGNACTGGATATTACGTATGCAGCTTATGCTAA TAATACTGCTATCTTCCACCACTGTAATACTGACATCAACACGGTCCCTTCAGTATA GNTCAAATTATTAGTTACATGTGATAATACAAGTAATACCAGCTNCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_006948
Insert Size:	2800 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_006948.4 , NP_008879.3
RefSeq Size:	4001 bp
RefSeq ORF:	1416 bp
Locus ID:	6782
UniProt ID:	P48723
Cytogenetics:	21q11.2
Domains:	HSP70
Protein Families:	Transmembrane

Gene Summary:

The protein encoded by this gene is a member of the heat shock protein 70 family and is found associated with microsomes. Members of this protein family play a role in the processing of cytosolic and secretory proteins, as well as in the removal of denatured or incorrectly-folded proteins. The encoded protein contains an ATPase domain and has been shown to associate with a ubiquitin-like protein. [provided by RefSeq, Jul 2008]