

Product datasheet for **RG205259**

STCH (HSPA13) (NM_006948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STCH (HSPA13) (NM_006948) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STCH
Synonyms:	STCH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205259 representing NM_006948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCAGAGAGATGACGATCTTAGGATCGGCTGTTTTACTCTCCTGTTGGCCGGCTATTTGGCACAAC
 AGTATTTACCATTGCCTACTCCTAAAGTGATTGGTATTGATCTTGGCACCACTATTGTTCTGTTGGGGT
 GTTTTTCTGCGCACAGGAAAAGTAAAGGTGATTCCAGATGAAAATGGGCATATCAGCATACCCAGCATG
 GTGTCTTTTACTGACAATGATGTATATGTGGGATATGAAAGCGTAGAGCTGGCAGATTCAAATCCTCAAA
 ACACAATATATGATGCCAAAAGATTCATAGGCAAGATTTTACCGCAGAAGAGTTGGAGGCTGAAATTGG
 CAGATACCCATTTAAGGTTTTAAACAAAATGGAATGGTTGAGTTTTCTGTGACAAGTAATGAGACCATC
 ACAGTGTCCCAGAATATGTTGGCTCTCGACTATTGTTGAAGTTAAAGGAAATGGCAGAGGCATATCTTG
 GAATGCCAGTTGCCAATGCTGTCAATTTCTGTACCAGCAGAATTTGATCTAAACAGAGAAATTAACAAT
 TGAAGCTGCTAACCTTGCAAGACTGAAGATTTTGAGGGTAATAAATGAACCCACAGCAGCAGCTATGGCC
 TATGGTCTCCACAAGGCTGACGTCTCCACGTCTTGGTGATAGACTTGGGCGGAGGAACTCTAGATGTGT
 CTTTACTGAATAAACAAGGAGGGATGTTTCTAACCCGAGCAATGTCTGGAACAATAAACTTGGAGGACA
 GGACTTCAATCAGAGATTGCTTCAGTACTTATATAACAGATCTATCAACATATGGCTTCGTGCCTCT
 AGGAAAGAGGAAATCCACAGATTGAGACAAGCTGTGGAATGGTCAAATTAATCTGACTCTTCATCAAT
 CTGCTCAGTTGTCAGTATTACTAACGGTGGAGGAGCAGGACAGGAAGGAACCTCACAGTAGTGACACTGA
 ACTGCCAAAAGACAACTTTCTCAGCAGATGACCATCGCGTGAACAGTGGGTTTGGACGTGGCCTTTCT
 GATAAGAAAAGTGAGAAAAGTCAGGTTTTATTTGAAACAGAAATATCACGAAACTCTTTGATACCTTA
 ATGAAGACCTCTTTCAGAAAATCTGGTACCCATTGAGCAAGTATTGAAAGAAGGCCACCTGGAAAAGAC
 TGAGATTGATGAGGTGGTTTTAGTTGGGGCTCCACTCGTATTCCCTCGGATCCGTCAAGTCATTCAAGAG
 TTCTTTGGAAGATCCCAACACATCTGTAGACCTGACCTAGCAGTAGTAACGGGAGTGCGTATCCAAG
 CAGGGATTGATGGAGGCTTTTGGCTCTCCAAGTCAGTGCTTTAGAAATCCCAATAAGCATTACAAAA
 AACCAACTTCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205259 representing NM_006948
 Red=Cloning site Green=Tags(s)

MAREMTILGSAVLTLLLAGYLAQQYLPLTPKVIIGIDLGTTYCSVGVFPPGTGKVKVIPDENGHISIPSM
 VSFTDNDVYVGYESVELADSNPQNTIYDAKRFIGKIFTAELEAEIGRYPFKVLNKGMEFVSPTSNETI
 TVSPEYVGSRLLLKLKEMAEAYLGMPVANAVISVPAEFDLKQRNSTIEANLAGLKILRVINEPTAAAMA
 YGLHKADV FHVLTLDLGGTLDVSLNKGGMFLTRAMSGNNKLGQDFNQRLQLYKQIYQTYGFVPS
 RKEEIHRLRQAVEMVKLNLTQHSAQLSVLLTVEEQDRKEPHSSDTLPKDKLSSADHRVNSGFRGLS
 DKKSGESQVL FETEISRKLFDLTNEDLFQKILVPIQQVLKEGHLEKTEIDEVVLVGGSTRIPRIRQVIQE
 FFGKDPNTSVDPDLAVVTGVAIQAGIDGGFWPLQVSALEIPNKLQKTNFN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006948

ORF Size: 1413 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).

Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006948.3](#)

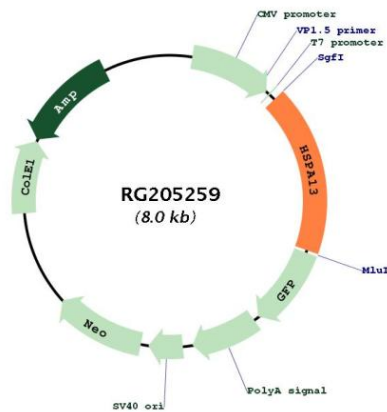
RefSeq Size: 4001 bp

RefSeq ORF: 1416 bp

Locus ID: 6782

UniProt ID:	<u>P48723</u>
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]

Product images:



Circular map for RG205259