

Product datasheet for **RC207844**

STPG2 (NM_174952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STPG2 (NM_174952) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STPG2
Synonyms:	C4orf37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207844 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATGATCGGGCTCCCGCCTGCTCAAATTGGCTGAAGGTGGCAGCACTGAGGCCATGTGGTCTTG
 GATCCTACCAGGTACCTTCTGAAGCAGCAGGCGACAGGTAGTAATGCACCATTCTTTCTTTGACTGC
 CAGAGAAAGTACTTTTACCATTGCCTCTAGCATTGAGAAAAGCTGTTCCAGGTCCAGGACACTATAATGTT
 TCAGAAGCACAGAAAATTTCAAGATCACCTACCTACCAGAAGTGTGATGTTCCCTTCAATTCCTTCTT
 GTGGAAAGTCATATGGTTATCATATTAATGATGATGGCAGTATTATAAAATGTTTTCCACCTGCTTGTGA
 CAGTACACTTGGTCCAGCATACTACAACTCAATTTGATGTTTCCAATGCAACTTTGAAATACAAAGGT
 ATACATTTTGGCAACTCTTCAGGAAGACAAGAGTTACCTAAAAAGTCAGGTCCTGGTCCAGGACAGTATG
 ATATAGTCCAGAAAAGACATCATATTATGAAAATGTTAACATCAAGAGAGATCAACAACAAAATTATTG
 TTCATTTATCCCAGACTATATGAAATAATAGTATTGCAGGAGAAAAAAGAGATTTTTACCTATGAAA
 TCAATCACCCCGCTCCTGGCACATATAATGAACCTCGAACTGCTCTCAAGTCTTTGAAGAAAACATCAG
 GACTGAAAAATATTCCATTTGGTCAAAGTCTGTTTCGATTACACAGGACATCAGGACAGAGGAAATGCC
 AGGTCCTGGATTTTATAATGCTTTGAACAATACTATAATTGCCAGTGTAGAAAATATCTGCTCAAAGAAA
 CAGAAGAAAAGTGCATTTGGTCTTCTGTTCTCGGACTTTCTTCTCGGTTCCAGAAAAGCTTGTGCTA
 CCCCTGGACCTGCTGATTATCAGGAATTTTGGCATTACAGGGTGTGGGAATTTCTGATGAATTACCTAA
 CTTGACTAACAAATATGCTGCTTCTTGTCAAGAGCCAAAAGAATGAAAAGTACCAGATATGGTTATT
 CCAGCGCCAGGCAGCTATGATGTTACAAATCATATGAGATGTCCAAGTTAAGCATAAAATATATGCCAC
 CTCGTAGTTTAGTGGCTAAAAGAAAACATGCCTTTTTCTTAGTGCAACTCCTCGGTGCCTAGAAAAAGT
 GACTGATGGGCCAGGTCCTGCAGCATAACAATCCTGTTTTAAGGAAATCTTGCCCCATACCCTTATTTGTG
 AAAGCATCAAAGCGCTTTGAAGAGTCCAAGAGATTACTCCAGGCCAGCAACATATGAGATATCCAGG
 AGAAAAAGAAAGGAAATCTCATTGGTGAATGGCTGCTGATATAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207844 protein sequence
 Red=Cloning site Green=Tags(s)

MYDRAPRLLKLAEGGSTEAHVGPQSYQVPFLKQATGSNAPFLSLTARESTFTIASSIEKAVPGPGHYNV
 SEAQKISRSPTRLTRSDVPSIPSCGKSYGYHINDDGSIIKCFPPACDSTLGPAYYKQFDVSNATLKYKG
 IHFGNSSGRQELPKKSGPGPGQYDIVQKTSYYENVNIKRQDQQNYCSFIPRLYEIIVLQEKKKRFLPMK
 SITPAPGTYNERTALKSLKKTSLKNIPFGQSAVRFTQDIRTEEMPGPGFYNLNNTIIASVRNICSKK
 QKKSFAFGSSVPRFFSVQKEACATPGADYQEFWHSQGVGISELPLNTNKYAAFLSRAKRTMKVPMVI
 PAPGSYDVHKSYSYMSQVKHKYMPRSLVAKRKHASFLSATPRCLEKVTGPGPAAYNPVLRKSCPIPLFV
 KASKRFEESKEITPGPATYEISQEKKKGNLIGEMAADIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6343_a03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_174952

ORF Size: 1377 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.

RefSeq: [NM_174952.3](#)

RefSeq Size: 1654 bp

RefSeq ORF: 1380 bp

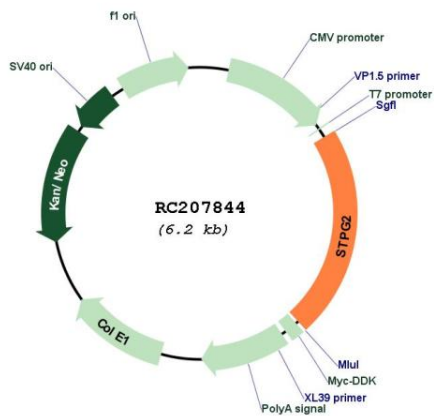
Locus ID: 285555

UniProt ID: [Q8N412](#)

Cytogenetics: 4q22.3-q23

MW: 50.7 kDa

Product images:



Circular map for RC207844