

Product datasheet for **RG207844**

STPG2 (NM_174952) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | STPG2 (NM_174952) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | STPG2 |
| Synonyms: | C4orf37 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG207844 representing NM_174952
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATGATCGGGCTCCCGCCTGCTCAAATTGGCTGAAGGTGGCAGCACTGAGGCCATGTGGTCTG
 GATCCTACCAGGTACCTTCTGAAGCAGCAGGCGACAGGTAGTAATGCACCATTCTTTCTTTGACTGC
 CAGAGAAAGTACTTTTACCATTGCCTCTAGCATTGAGAAAAGCTGTTCCAGGTCCAGGACACTATAATGTT
 TCAGAAGCACAGAAAATTTCAAGATCACCTACCTACCAGAAGTGTGATGTTCCCTTCAATTCCTTCTT
 GTGGAAAGTCATATGGTTATCATATTAATGATGATGGCAGTATTATAAAATGTTTTCCACCTGCTTGTGA
 CAGTACACTTGGTCCAGCATACTACAACTCAATTTGATGTTTCCAATGCAACTTTGAAATACAAAGGT
 ATACATTTTGGCAACTCTTCAGGAAGACAAGAGTTACCTAAAAAGTCAGGTCCTGGTCCAGGACAGTATG
 ATATAGTCCAGAAAAGACATCATATTATGAAAATGTTAACATCAAGAGAGATCAACAACAAAATTATTG
 TTCATTTATCCCAGACTATATGAAATAATAGTATTGCAGGAGAAAAAAGAGATTTTTACCTATGAAA
 TCAATCACCCCGCTCCTGGCACATATAATGAACCTCGAACTGCTCTCAAGTCTTTGAAGAAAACATCAG
 GACTGAAAAATATTCCATTTGGTCAAAGTCTGTTTCGATTCACACAGGACATCAGGACAGAGGAAATGCC
 AGGTCCTGGATTTTATAATGCTTTGAACAATACTATAATTGCCAGTGTAGAAAATATCTGCTCAAAGAAA
 CAGAAGAAAAGTGCATTTGGTCTTCTGTTCTCGGACTTTCTTCTCGGTTCCAGAAAAGCTTGTGCTA
 CCCCTGGACCTGCTGATTATCAGGAATTTTGGCATTACAGGGTGTGGGAATTTCTGATGAATTACCTAA
 CTTGACTAACAAATATGCTGCTTCTTGTCAAGAGCCAAAAGAACTATGAAAGTACCAGATATGGTTATT
 CCAGCGCCAGGCAGCTATGATGTTACAAATCATATGAGATGTCCAAGTTAAGCATAAAATATAGCCAC
 CTCGTAGTTTGTGGCTAAAAGAAAACATGCCTTTTTCTTAGTGCAACTCCTCGTGCCTAGAAAAAGT
 GACTGATGGGCCAGGTCCTGCAGCATAACAATCCTGTTTTAAGGAAATCTTGCCCATACCCTTATTTGTG
 AAAGCATCAAAGCGCTTTGAAGAGTCCAAGAGATTACTCCAGGCCAGCAACATATGAGATATCCAGG
 AGAAAAAGAAAAGGAAATCTCATTGGTGAATGGCTGCTGATATAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207844 representing NM_174952
 Red=Cloning site Green=Tags(s)

MYDRAPRLLKLAEGGSTEAHVPGSYQVFLKQQATGSNAPFLSLTARESTFTIASSIEKAVPGPHYNNV
 SEAQKISRPTL TRSVDVPSIPSCGKSYGYHINDDGSIIKCFPPACDSTLGPAYYKQFDVSNATLKYKG
 IHFGNSSGRQELPKKSGPGQYDIVQKTSYYENVNIKRDRQQNYCSFIPRLYEIIVLQEKKRFLPMK
 SITPAPGTYNPRTALKSLKKTSLKNIPFGQSAVRFTQDIRTEMPGPGFYNVLNNTIIASVRNICSKK
 QKKSAGSSVPRTFE SVQKEACATPGADYQEFWHSQGVISDELPNLTNKYAAFLSRAKRTMKVPMVI
 PAPGSYDVHKSYSQVHKYMPRSLVAKRKHASFLSATPRCLEKVTGPGPAAYNPVLRKSCPIPLFV
 KASKRFEEESKEITPGPATYEISQEKKGNLIGEMAADIM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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: 1750 bp

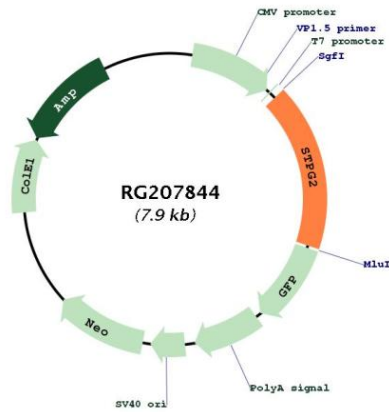
RefSeq ORF: 1380 bp

Locus ID: 285555

UniProt ID: [Q8N412](#)

Cytogenetics: 4q22.3-q23

Product images:



Circular map for RG207844