

Product datasheet for **RG233944**

C9orf173 (STPG3) (NM_001256699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf173 (STPG3) (NM_001256699) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C9orf173
Synonyms:	C9orf173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233944 representing NM_001256699 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAATTCTGACCAGAAGGCAGTGAAATTCCTGGCAAATTTTACATCAATGGAGGCAAACTGGA
 CCCATGGTCACCTGAGGCAGACACAACCAGAGCCACCCAGCCCAAGGCATCTGTGCTGTTGTTGGGCC
 GGAGCCGGGGATGGCCTGGGATGAGACACAGCCCCAAAGATGAAGGAGATCCAGTTGGCCTCAGGTTA
 CAGACGGGCACCCCCAGGAGTCCCTGCCACCTACACCCAGACCCTGAGGGAATATTGCTGGAGCAAC
 GCCCCCTGATCACAGCTGACCTGGAAGTCCCCAGCCCCACCAGGTACCAGGTGCCGAGCCGTCCGTACG
 AGAGTCCCTCCCCACCCCCACTACAGCATCGGCTGCAAGCACCAGGGCCGAGAGGGCGGTGGCCGAGG
 GCATGGCAGACTTTGTGTTCCAGAGCGAAAGCCCTTACGCAGAAAGCTGACTTCGACCAAGAGCAAA
 AGTGGCCCTCGCCAGCCCACTACCAGTGCTCAGCCGGCCCGCCTTCCCGCCTTCAGTTTCAGAGGCTG
 CCACTCCGCTTCCAAGACACCTGAAGGCCACCCACCTAGGGCTGCCTGGGGCTAGGGGCTGGGCCTC
 AGGGTGCAGCCCCAGTCCCTGCTTCAGGCCTCTTTGAGGCACCTGGCAAGAGATGCCCTGGCCCCAACA
 CCTACAATATCCTTCTGGGAGCCGCTGCAGAGCCCCGCTCGCCGCTTCTCGATGAGCCGCTCCCC
 TCGCTTACCTCCTGGCTCAGCACCTCCTTCTCTTTCGGCAGCCCGAACCCTGGCCAGCCGCTACCA
 CGTGGAGGACTGCAACTCAGCTTCCCTTCGGCGCCTGGCGTGGTATCCAGGTGTACGCAGACCCAAG
 CGCCACGACACAGGCCCTTCTGCACGCTCTAGAGCCAGCTGGGCACAACCTGCTTGGCCCGGCCACCGA
 GTGGAACCATGGCCTCCCCCGGGCTTTCCAGGCCTCCCTGGGACTTGGGGCCCCAGCCTGGCCTTCT
 GACCCTCTGGGCACCCGATGCACCTTCTGGCTGGCCAACCCTTCTATGGGCTGTGGACAAGGCTGGCC
 CAGCCTGGATCCCCATCTGCCATCTCCCGCTACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG233944 representing NM_001256699
 Red=Cloning site Green=Tags(s)

MMNSDQKAVKFLANFYINGGKHWHGHLRQTQPEPTQPKASVLLLGPEPGMAWDETQPPKMKEIPVGLRL
 QTGTPQESLPTYTQTLRELLLEQRPLITADLEVSPSTRYQVSPSVRESSPHPHYSIGCKHQGREGGRR
 AWQTLWFQSESPFTQKADFDEQKWPSPAHYQLLSRPAFAFSFRGCHSASKTPEGHTHLGLPGARGLGL
 RVQPQSLLQASLQAPGKRCPGPNTYNILPGSRLQSPRSPAFSMSRSPAFTSWLSTSFSGSPNPWPSRLP
 RGGLQLTLPGAWRGHPGCTQTQAPRHRPLLHALEPAGHNLLGPATEWNHGLPRGFPRPPLGLGAPAWPS
 DPLGTPMHPSGWPTLLWAVDKAGPAWIHPLISPLH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256699

ORF Size: 1158 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_001256699.1, NP_001243628.1

RefSeq Size: 1221 bp

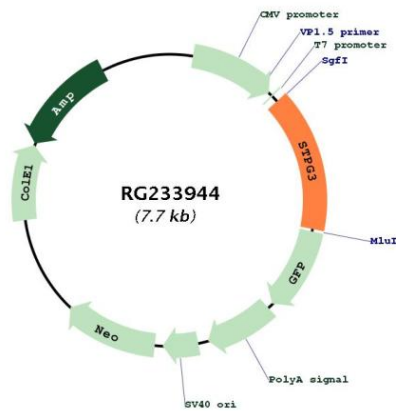
RefSeq ORF: 1161 bp

Locus ID: 441476

UniProt ID: Q8N7X2

Cytogenetics: 9q34.3

Product images:



Circular map for RG233944