

Product datasheet for RC221412

C9orf173 (STPG3) (NM_001004353) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | C9orf173 (STPG3) (NM_001004353) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | C9orf173 |
| Synonyms: | C9orf173 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC221412 representing NM_001004353 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGAATTCTGACCAGAAGGCAGTCAAATTCCTGGCAAATTTTACATCAATGGAGGCAAACTGGA
CCCATGGTCACCTGAGGCAGACACAACCAGAGCCACCCAGCCCAAGGCATCTGTGCTGTTGTTGGGCC
GGAGCCGGGGATGGCCTGGGATGAGACACAGCCCCAAAGATGAAGGAGATCCCAGTTGGCCTCAGGTTA
CAGACGGGCACCCCCAGGAGTCCCTGCCACCTACACCAGACCCTGAGGGAATATTGCTGGAGCAAC
GCCCCCTGATCACAGCTGACCTGGAAGTCCCCAGCCCCACCAGGTACCAGGTGCCGAGCCCGTCCGTACG
AGAGTCCCTCCCCACCCCCACTACAGCATCGGCTGCAAGCACCCAGGGCCGAGAGGGCGGTGGCCGAGG
GCATGGCAGACTTTGTGGTTCAGAGCGAAAGCCCTTCACGCAGAAAGCTGACTTCGACCAAGAGCAAA
AGTGGCCCTCGCCAGCCCACTACCAGCTGCTCAGCCGGCCCGCCTTCCCCGCCTTCAGCTTCAGAGGCTG
CCTCCGCTTCCAAGACACCTGAAGGCCACCCACCTAGGGCTGCCTGGGGCTAGGGGGCTGGCCCTC
AGGGTGCAGCCCCAGTCCCTGCTCAGGCCTCTTTCAGGCACCTGGCAAGAGATGCCCTGGCCCCAACA
CCTACAATATCCTTCTGGGAGCCGCTGCAGAGCCCCGCTCGCCGGCCTTCTCGATGAGCCGCTCCCC
TGCGTTACCTCCTGGCTCAGCACCTCCGAACCCCTGGCCAGCCGCTACCACGTGGAGGACTGCAAC
TCACGCTTCCCTCGCCGCTGGCGTGGTCATCCAGGGGTACGCAGACCCAAGCGCCACGACACAGGCC
CCTTCTGCACGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221412 representing NM_001004353
Red=Cloning site Green=Tags(s)

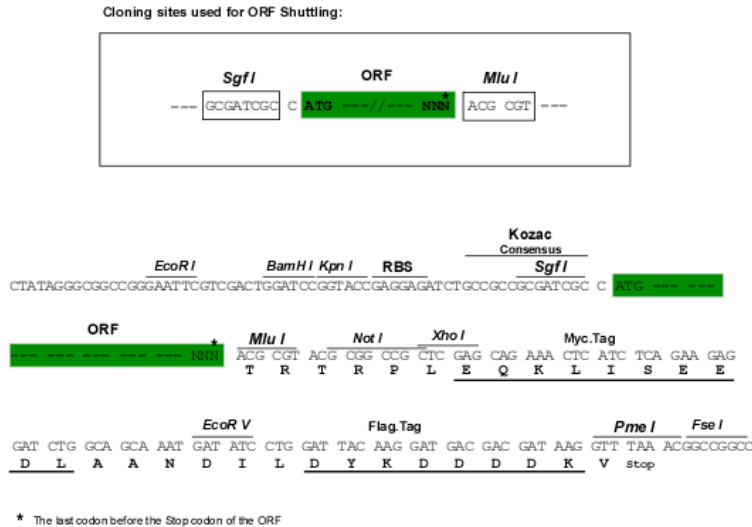
MMNSDQKAVKFLANFYINGGKHWHGHLRQTQPEPTQPKASVLLLGPPEGMWDETQPPKMKEIPVGLRL
 QTGTPQESLPTYTQTLRELLLEQRPLITADLEVSPTRYQVSPSPVRESSPHPHYSIGCKHQREGGRR
 AWQTLWFQSESPFTQKADFDEQKWPSPAHYQLLSRPAFPAFSFRGCHSASKTPEGHTHLGLPGARGLGL
 RVQPQSLQLQASLQAPGKRCPGPNTYNIILPGSRLQSPRSPAFSMSRSPAFTSWLSTSRTPGPAAYHVEDCN
 SRFPSAPGVVIQGVRRPKRHDTGPFCTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004353

ORF Size: 924 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_001004353.3](#), [NP_001004353.2](#)

RefSeq Size: 1198 bp

RefSeq ORF: 927 bp

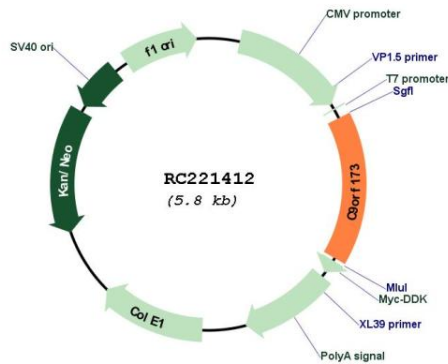
Locus ID: 441476

UniProt ID: [Q8N7X2](#)

Cytogenetics: 9q34.3

MW: 34 kDa

Product images:



Circular map for RC221412