

## Product datasheet for **RG221412**

### **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:	TurboGFP
Symbol:	STPG3
Synonyms:	C9orf173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221412 representing NM_001004353 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGAATTCTGACCAGAAGGCAGTGAAATTCCTGGCAAATTTTACATCAATGGAGGCAAACTGGA  
CCCATGGTCACCTGAGGCAGACACAACCAGAGCCACCCAGCCCAAGGCATCTGTGCTGTTGTTGGGCC  
GGAGCCGGGGATGGCCTGGGATGAGACACAGCCCAAGATGAAGGAGATCCCAGTTGGCCTCAGGTTA  
CAGACGGGCACCCCCAGGAGTCCCTGCCACCTACACCAGACCCTGAGGGAATATTGCTGGAGCAAC  
GCCCCCTGATCAGGCTGACCTGGAAGTCCCAGCCCCACCAGGTACCAGGTGCCAAGCCGTCCGTACG  
AGAGTCCCTCCCCACACCCCACTACAGCATCGGCTGCAAGCACCAGGGCCGAGAGGGCGGTGGCCGAGG  
GCATGGCAGACTTTGTGGTTCCAGAGCGAAAGCCCTTCACGCAGAAAGCTGACTTCGACCAAGAGCAAA  
AGTGGCCCTCGCCAGCCCACTACCAGCTGCTCAGCCGGCCGGCCTTCCCCGCCTTCAGCTTCAGAGGCTG  
CCTACTCCGCTTCCAAGACACCTGAAGGCCACACCCACCTAGGGCTGCCTGGGGCTAGGGGGCTGGCCCTC  
AGGGTGCAGCCCCAGTCCCTGCTCAGGCCTCTTTCAGGCACCTGGCAAGAGATGCCCTGGCCCCAACA  
CCTACAATATCCTTCTGGGAGCCGCTGCAGAGCCCCGCTCGCCGGCCTTCTCGATGAGCCGCTCCCC  
TGCGTTACCTCCTGGCTCAGCACCTGGCTCCCAGCCTTCTCTTCGGCAGCCCCAACCCCTGGCCAGC  
CGCCTACCAGTGGAGGACTGCAACTCAGCTTCCCTTCGGCGCCTGGCGTGGTATCCAGGGTGTACGC  
AGACCAAGCGCCACGACACAGGCCCTTCTGCACGCTCTAGAGCCAGCTGGGCACAACCTGCTTGCC  
GGCCACCGAGTGAACCATGGCCTCCCCGGGGCTTTCAGGCCTCCCCGGGACTTGGGGCCCCAGCC  
TGGCCTTCTGACCCTCTGGGCACCCGATGCACCTTCTGGCTGGCCAACCCCTTCTATGGCTGTGGACA  
AGGCTGGCCAGCCTGGATCCCCCATCTGCCATCTCCCCGCTACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG221412 representing NM\_001004353  
 Red=Cloning site Green=Tags(s)

MMNSDQKAVKFLANFYINGGKHWHGHLRQTQPEPTQPKASVLLLGPPEGMAWDETQPPKMKEIPVGLRL  
 QTGTPQESLPTYTQTLRELLLEQRPLITADLEVPSPTRYQVSPSPVRESSPHPHYSIGCKHQREGGRR  
 AWQTLWFQSESPFTQKADFDEQKWPSPAHYQLLSRPAFPAFSFRGCHSASKTPEGHTHLGLPGARGLGL  
 RVQPQSLQLQASLQAPGKRCPGNTYINILPGSRLQSPRPAFMSRSPAFATSWLSTWLPAFSFGSPNPWPS  
 RLPRGGLQLTLPGAWRHGPGCTQTQAPRHRPLLHALEPAGHNLLGPATEWNHGLPRGFPRPPLGLGAPA  
 WPSDPLGTMPHPSGWPTLLWAVDKAGPAWIPHLPIISPLH

TRTRPLE - GFP Tag - V

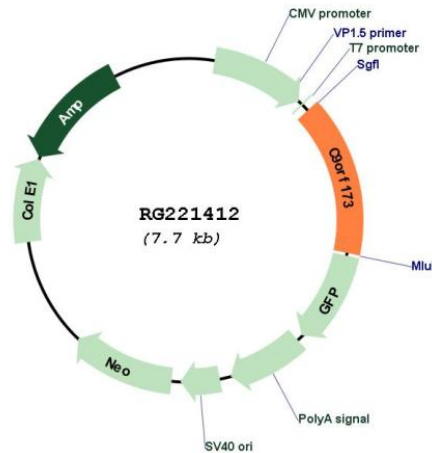
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001004353

<b>ORF Size:</b>	1167 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001004353.1</a> , <a href="#">NP_001004353.1</a>
<b>RefSeq Size:</b>	1198 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	441476
<b>UniProt ID:</b>	<a href="#">Q8N7X2</a>
<b>Cytogenetics:</b>	9q34.3