

## Product datasheet for **RG225626**

### CRPPA (NM\_001101417) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CRPPA (NM\_001101417) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CRPPA  
**Synonyms:** hiSPD; ISPD; LGMDR20; MDDGA7; MDDGC7; Nip  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225626 representing NM\_001101417  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGGCCGGCCGCCGGGCAGCGCCAGGCCGGCGGAGCCGGTCTTGCCTGAGTGGTCAGCGCGCCG  
CGGACCACACGGCTTCCGCCTCCCTGCAGAGCGTGGCCGGGACCGAGCCCGGGCCACCCGCAAGCCGT  
GGCAGCTGTGTTGCCTGCCGGGGGTGCGGGGAGAGGATGGGGTCCCCACCCGAAGCAATTCTGCCCC  
ATCCTGGAGAGGCCGCTCATCAGCTACACCCTACAGGCCCTGGAGAGAGTATGTTGGATAAAGGACATTG  
TTGTGGCAGTAAGTGGAGAGAACATGGAAGTAATGAAAAGTATTATTCAGAAGTATCAGCATAAAGCAT  
CTCACTGGTCAAGCTGGAGTGACCCGCCACAGGTCAATTTTCAATGGACTAAAAGCACTGGCAGAAGAT  
CAGATCAACTCTAACTCTTAAGCCAGAAGTAGTGATTATCCATGATGCTGTGAGACCATTGTTGAGG  
AAGGTGTCCTTCTAAAGTTGTCACAGCTGCTAAGGAACACGGGTGTAGTGACTATGACTTGAATTTGG  
AACTGAGTGTGCAATTGGCCCTAAAATACTGTTGCACTAAAGCCAACTTGTAGAAGGATCACCTGAC  
CTCTGGAAGGTGACCTACAAACGAGATCTATGCGGCTGAATCGATTATTAAGGAGAGAATTTCCCAAG  
AGATTTGTGTAGTTATGGATACAGAAGAAGATAACAAACATGTAGGTCACTTCTTGAAGAAGTGCTGAA  
AAGTGAATTAATCATGTAAAAGTCACATCTGAGGCTCTGGTTCATGCTGGCAGACATCTCAGCAAATC  
ATCTTAGATCAATGCTACAATTTTGTGTTGTGAATGTTACAACCTCTGATTTTCAAGAAACCCAGAAGT  
TACTGAGCATGCTTGAAGAGAGTAGTCTTGCATTTTATATCCTGTTGTTGTTTCAGTTCATTTTCT  
TGATTTTAAATTAGTACCTCCAGTCAGAAAATGAAAACCTAATGCAGATTAGAGAATTTGCAAAGGAA  
GTAAAAGAAAGAAATATTTTGTATATGGGCTTCTCATATCTTACCCACAGGATGATCAGAAGCTACAGG  
AGAGTTTAAAGCAAGGTGCTATCATTATTGCTTCATTAATCAAGGAAAGAAATCTGGACTCATTGGTCA  
GCTTCTGATAGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225626 representing NM\_001101417  
 Red=Cloning site Green=Tags(s)

MEAGPPGSARPAEPGPCLSGQRGADHTASASLQSVAGTEPGRHPQAVAAVL PAGGCGERMGVPTPKQFCP  
 ILERPLISYTLQALERVCKWIKDIVVAVTGENMEVMKSI IQKYQHKRISLVEAGVTRHRSIFNGLKALAED  
 QINSKLSKPEVVI IHDV RPFVEEGVLLKVVTA AKEHGCS DYDLEFGTECLQLAL KYCCTKAKLVEGSPD  
 LWKVTYKRDLYAAESI IKERISQ EICV VMDTEEDNKHVGHLL EEV LKSELNHVKVTSEALGHAGRHLQOI  
 ILDQCYNFV CVNVTTSD FQETQKLL SML EESSLCIL YPVVVVSVHFLDFKLVPPSQKMENLMQIREFAKE  
 VKERNILLYGLLISYPQDDQKLQESLRQGAIIASLIKERN SGLIGQLLIA

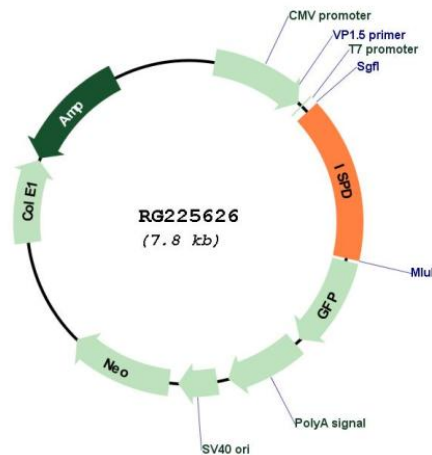
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001101417

<b>ORF Size:</b>	1203 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_001101417.4</a>
<b>RefSeq Size:</b>	1368 bp
<b>RefSeq ORF:</b>	1206 bp
<b>Locus ID:</b>	729920
<b>UniProt ID:</b>	<a href="#">A4D126</a>
<b>Cytogenetics:</b>	7p21.2
<b>Gene Summary:</b>	This gene encodes a 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase-like protein. Mutations in this gene are the cause of Walker-Warburg syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2012]