

## Product datasheet for **RG225744**

### CRPPA (NM\_001101426) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRPPA (NM_001101426) 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)



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**ORF Nucleotide Sequence:**

>RG225744 representing NM\_001101426  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCCGGGCCCGCCGGGCAGCGCCAGGCCGGCGGAGCCGGTCTTGCCTGAGTGGTCAGCGCGCCG  
 CGGACCACACGGCTTCCGCCTCCCTGCAGAGCGTGGCCGGGACCGAGCCGGGCGCCACCCGCAAGCCGT  
 GGCAGCTGTGTTGCCTGCCGGGGGTGCGGGGAGAGGATGGGGTCCCCACCCGAAGCAATTCTGCCCC  
 ATCCTGGAGAGGCCGCTCATCAGCTACACCCTACAGGCCCTGGAGAGAGTATGTTGGATAAAGGACATTG  
 TTGTGGCAGTAACTGGAGAGAACATGGAAGTAATGAAAAGTATTATTCAGAAGTATCAGCATAAACGCAT  
 CTCCTGGTGAAGCTGGAGTGACCCGCCACAGGTCAATTTTCAATGGACTAAAAGCACTGGCAGAAGAT  
 CAGATCAACTCTAACTCTAAGCCAGAAGTAGTGATTATCCATGATGCTGTGAGACCATTGTTGAGG  
 AAGGTGTCCTTCTAAAGTTGTACAGCTGCTAAGGAACACGGGGCAGCAGGAGCCATTCGACCTTTGT  
 ATCTACTGTCGTCAGTCCATCTGCTGATGTTGCTTAGACTACTGCTAGAACGTGCCAGACACAGAGCA  
 AGTGAAATGCCCAAGCTTTTCTATTTGATGTGATTTATGAAGCATATCAGCAGTGTAGTACTATGACT  
 TGGAAATTTGAACTGAGTGTTTGAATTTGGCCCTAAAATACTGTTGCACTAAAGCCAAACTGTAGAAGG  
 ATCACCTGACCTCTGGAAGGTGACCTACAAACGAGATCTCTATGCGGCTGAATCGATTATTAAGGAGAGA  
 ATTTCCCAAGAGATTTGTGTAGTTATGGATACAGAAGAAGATAACAAACATGTAGGTCATCTTCTTGAAG  
 AAGTGCTGAAAAGTGAATTAATCATGTAAAAGTCACATCTGAGGCTCTGGGTCATGCTGGCAGACATCT  
 TCAGCAAATCATCTTAGATCAATGCTACAATTTTGTGTTGTTGATGTTACAACCTCTGATTTTCAAGAA  
 ACCCAGAAGTACTGAGCATGCTGAAGAGAGTAGTCTTTGCATTTTATATCCTGTTGTTGTTGTTTCAG  
 TTCATTTTCTTGATTTTAAATTAGTACCTCCAGTCAGAAAATGGAAAACCTAATGCAGATTAGAGAATT  
 TGCAAAGGAAGTAAAAGAAAGAAATATTTTGTATATGGGCTTCTCATATCTTACCCACAGGATGATCAG  
 AAGCTACAGGAGAGTTTAAAGCAAGGTGCTATCATTATTGCTTCATTAATCAAGGAAAGAAATTCTGGAC  
 TCATTGGTCAGCTTCTGATAGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG225744 representing NM\_001101426  
 Red=Cloning site Green=Tags(s)

MEAGPPGSARPAEPGPCLSGQRGADHTASASLQSVAGTEPGRHPQAVAAVLPAAGCGERMVPTPKQFCP  
 ILERPLISYTLQALERVCWIKDIVVAVTGENMEVMKSI IQKYQHKRISLVEAGVTRHRSIFNGLKALAED  
 QINSKLSKPEVVI IHDAVRPFVEEGVLLKVVTAAKEHGAAGAIRPLVSTVVSPSADGCLDYSLERARHRA  
 SEMPQAFLLFDVIYEAYQCSYDLEFGTECLQLALKYCCTKAKLVEGSPDLWKVTYKRDLYAAESI IKER  
 ISQEICVVMDEEDNKHVGHLLLEVLKSELNHVKVTSEALGHAGRHLQIILDQCYNFVCVNVTTSDFQE  
 TQKLLSML EESSLCILYPVVVSVHFLDFKLVPSPQKMNLMQIREFAKEVKERNILLYGLLISYPQDDQ  
 KLQESLRQGAIIIASLIKERN SGLIGQLLIA

**TRTRPLE** - GFP Tag - V

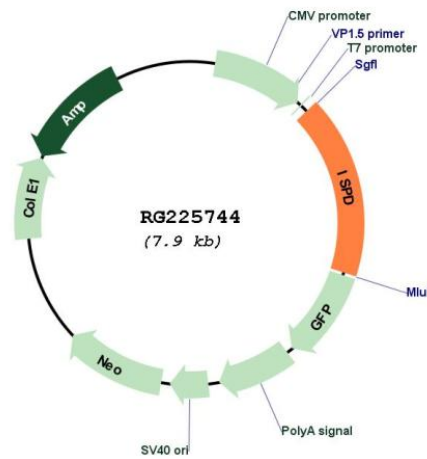
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001101426

ORF Size: 1353 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.

<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_001101426.4</a>
<b>RefSeq Size:</b>	1415 bp
<b>RefSeq ORF:</b>	1356 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]