

Product datasheet for SC317085

CRPPA (NM_001101417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRPPA (NM_001101417) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRPPA
Synonyms:	hiSPD; ISPD; LGMDR20; MDDGA7; MDDGC7; Nip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317085 representing NM_001101417. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCCGGGCGCCGGGCAGCGCCAGGCCGGCGGAGCCGGTCTTGCCTGAGTGGTCAGCGCGGC
GCGGACCACACGGCTTCCGCCTCCCTGCAGAGCGTGGCCGGGACCGAGCCGGGCGCCACCCGCAAGCC
GTGGCAGCTGTGTGCTGCCGGGGGTGCGGGGAGAGGATGGGGTCCCACCCGAAGCAATTCTGC
CCCATCTGGAGAGGCCGCTCATCAGCTACACCCTACAGGCCCTGGAGAGAGTATGTTGGATAAAGGAC
ATTGTTGTGGCAGTAACGGAGAGAACATGGAAGTAATGAAAAGTATTATTCAGAAGTATCAGCATAAA
CGCATCTCACTGGTGAAGCTGGAGTGACCCGCCACAGGTCAATTTTCAATGGACTAAAAGCACTGGCA
GAAGATCAGATCAACTCTAACTCTCTAAGCCAGAAGTAGTGATTATCCATGATGCTGTGAGACCATTT
GTTGAGGAAGGTGCTCTTCTTAAAGTTGTACAGCTGCTAAGGAACACGGGTGTAGTGACTATGACTTG
GAATTTGGAAGTGAAGTGTGCAATTTGGCCCTAAAATACTGTTGCACTAAAGCCAACTGTAGAAGGA
TCACCTGACCTCTGGAAGGTGACCTACAACGAGATCTCTATGCGGCTGAATCGATTATTAAGGAGAGA
ATTTCCAAGAGATTTGTGTAGTTATGGATACAGAAGAAGATAACAAACATGTAGGTCATCTTCTTGA
GAAGTGTGAAAAGTGAATTAATCATGTAAGTACACATCTGAGGCTCTGGGTCATGCTGGCAGACAT
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GAAACCCAGAAGTTACTGAGCATGCTTGAAGAGAGTAGTCTTTGCATTTTATATCCTGTTGTTGTTGTT
TCAGTTCAATTTTCTGATTTTAAATTAAGTACCTCCAGTCAGAAAATGGAAAACCTAATGCAGATTAGA
GAATTTGCAAAGGAAGTAAAAGAAAAGAAATATTTTGTATATGGGCTTCTCATATCTTACCACAGGAT
GATCAGAAGCTACAGGAGAGTTAAGGCAAGGTGCTATCATTATTGCTTCATTAATCAAGGAAAAGAAAT
TCTGGACTCATTGGTCAGCTTCTGATAGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:	□
ACCN:	NM_001101417
Insert Size:	1206 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_001101417.3
RefSeq Size:	5374 bp
RefSeq ORF:	1206 bp
Locus ID:	729920
UniProt ID:	A4D126
Cytogenetics:	7p21.2
MW:	44.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. The full extent of this transcript is supported by and orthologous data in mouse (AK051322.1).</p>