

Product datasheet for **RC213448**

CPAMD8 (NM_015692) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPAMD8 (NM_015692) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPAMD8
Synonyms:	ASGD8; K-CAP; VIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213448 representing NM_015692 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC

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Protein Sequence:

>RC213448 representing NM_015692
 Red=Cloning site Green=Tags(s)

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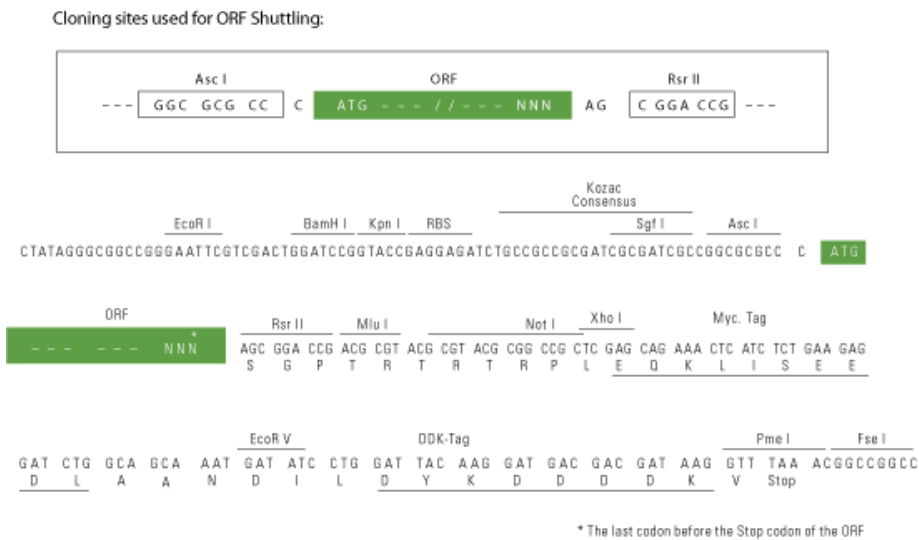
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Chromatograms:

https://cdn.origene.com/chromatograms/mk8023_h02.zip

Restriction Sites:

Ascl-RsrII

Cloning Scheme:


ACCN: NM_015692

ORF Size: 5796 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_015692.3](#)

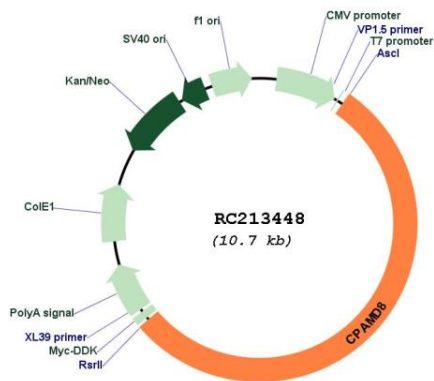
RefSeq Size: 5996 bp

RefSeq ORF: 5658 bp

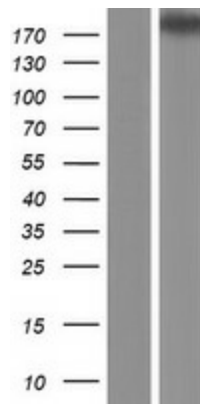
Locus ID: 27151
Cytogenetics: 19p13.11
MW: 211.1 kDa

Gene Summary: This gene encodes a member of the protease inhibitor I39 (alpha-2-macroglobulin) family of proteins. These proteins are important in innate and acquired immunity. The encoded protein is membrane-associated and proteolytically processed to generate two chains. Mutations in this gene cause a form of anterior segment dysgenesis, a developmental disorder of the eye. [provided by RefSeq, May 2017]

Product images:



Circular map for RC213448



Western blot validation of overexpression lysate (Cat# [LY414386]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213448 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).