

Product datasheet for **SC318696**

CPAMD8 (NM_015692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPAMD8 (NM_015692) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPAMD8
Synonyms:	ASGD8; K-CAP; VIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318696 representing NM_015692. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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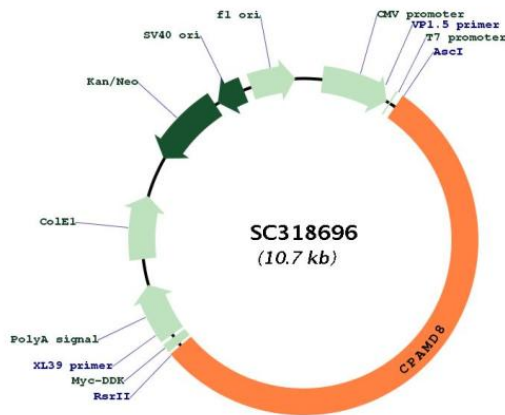
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Restriction Sites:

AscI-RsrII

Plasmid Map:



ACCN:

NM_015692

Insert Size:

5799 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:

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_015692.2](#)

RefSeq Size: 5996 bp

RefSeq ORF: 5799 bp

Locus ID: 27151

Cytogenetics: 19p13.11

MW: 211.3 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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.