

## Product datasheet for **SC329044**

### CPXM (CPXM1) (NM\_001184699) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CPXM (CPXM1) (NM_001184699) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPXM1
Synonyms:	CPX1; CPXM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

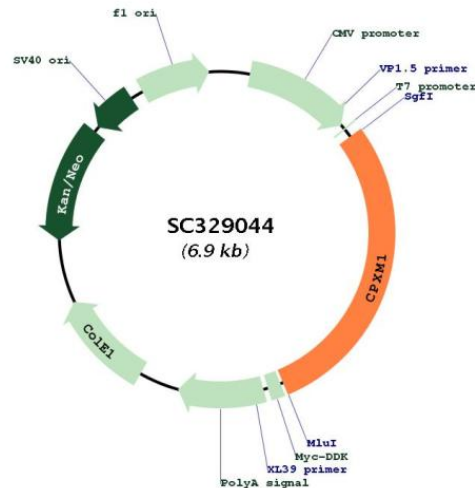


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Fully Sequenced ORF: >SC329044 representing NM\_001184699.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGGGCTCCTGCTCGCCCTGGCCGCTTCGCGCCGGCCGTCGGCCCGGCTCTGGGGCGCCAGG
AACTCGGTGCTGGGCTCGCGCAGCCGGGACCACCAAGTCCAGGCTCGACCCGGCCCTGCATAGC
AGCCCGGCACAGCCGCCGGGAGACAGCTAACGGGACCTCAGAACAGCATGTCCGGATTGAGTCATC
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GCCGGGCCCTTGACCCCACTCCAGCAGGGACCTCGACCCCGCTGAGAAACAAGAAACAGGCTGT
CCTCCTTTGGGTCTGGAGTCCCTGCGAGTTTCAGATAGCCGGCTTGAGGCATCCAGCAGCCAGTCTTT
GGTCTTGACCACACCGAGGACGGCTCAACATTAGTCAGGCCTGGAGGACGGGATCTATATGATGGA
GCCTGGTGTGCTGAGGAGCAGGACGCCATCCATGTTTCAGGTGGACGCTGGGCACCCACCCGCTTC
TCGGGTGTTATCACACAGGGCAGGAACCTGTCTGGAGGTATGACTGGGTACATCATAAAGTCCAG
TTCAGCAATGACAGTCGGACCTGGTGGGAAGTAGGAACCACAGCAGTGGGATGGACGCAGTATTTCT
GCCAATTCAGACCCAGAACTCCAGTGTGAACCTCCTGCCGGAGCCCGAGTGGCCCGCTTCATTCGC
CTGCTGCCCCAGACCTGGCTCCAGGGAGGCGCGCTTGCCCTCCGGGCAGAGATCCTGGCCTGCCAGTC
TCAGACCCCAATGACCTATTCTTGAGGCCCTGCGTCGGGATCCTCTGACCCCTAGACTTTGAGCAT
CACAATACAAGGCCATGAGGAAGCTGATGAAGCAGGTACAAGAGCAATGCCCAACATCACCCGCATC
TACAGCATTGGGAAGAGCTACCAGGGCTGAAGCTGTATGTGATGGAAATGTCGGACAAGCTGGGGAG
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GGTTCAGAGCTGGTGGGCTGGGCCGAGGGCCGCTGGAACAACCAGAGCATCGATCTTAACCATAATTTT
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CTACACACCAACTGCTTTGAGGTCAGTGTGGAGCTGTCTGTGACAAGTTCCTCACGAGAATGAATTG
CCCCAGGAGTGGGAGAACAAAGACGCCCTCCTCACCTACCTGGAGCAGGTGCGCATGGGCATTGCA
GGAGTGGTGGGACAAGGACACGGAGCTTGGGATTGCTGACGCTGTATTGCCGTGGATGGGATTAAC
CATGACGTGACCACGGCGTGGGGCGGGATTATTGGCGTCTGCTGACCCAGGGACTACATGGTGACT
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TGCAATTCGTGCTACCAAGACTCCAAACAGAGGCTGCGCGAGCTGCTGGCAGCTGGGGCCAAGGTG
CCCCGGACCTTCGACGGCGCTGGAGCGGCTAAGGGGACAGAAGGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001184699

**Insert Size:** 1983 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\\_001184699.1](#)

**RefSeq Size:** 2187 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 56265

**UniProt ID:** [Q96SM3](#)

**Cytogenetics:** 20p13

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**MW:** 73.4 kDa

**Gene Summary:** This gene likely encodes a member of the carboxypeptidase family of proteins. Cloning of a comparable locus in mouse indicates that the encoded protein contains a discoidin domain and a carboxypeptidase domain, but the protein appears to lack residues necessary for carboxypeptidase activity.[provided by RefSeq, May 2010]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.