

Product datasheet for **RG209394**

CPXM (CPXM1) (NM_019609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPXM (CPXM1) (NM_019609) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CPXM1
Synonyms:	CPX1; CPXM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG209394 representing NM_019609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGGGGCTCCTGCTCGCCCTGGCCGCTTCGCGCCGGCCGTCGGCCCGGCTCTGGGGCGCCAGGA
ACTCGGTGCTGGGCTCGCGCAGCCGGGACCACCAAGGTCCCAGGCTTGACCCCGCCCTGCATAGCAG
CCCGGCACAGCCCGCGGGAGACAGCTAACGGGACCTCAGAACAGCATGTCCGGATTTCAGTTCATCAAG
AAGAAAAAGTCAATTATGAAGAAGCGGAAGAAGCTAACTCTAACTCGCCCAACCCACTGGTGACTGCCG
GGCCCTTGTGACCCCACTCCAGCAGGGACCCTCGACCCGCTGAGAAACAAGAAACAGGCTGTCTCC
TTTGGTCTGGAGTCCCTGCGAGTTTCAGATAGCCGGCTTGAGGCATCCAGCAGCCAGTCCCTTGGTCTT
GGACCACACCGAGGACGGCTCAACATTCAGTCAGGCTGGAGGACGGCGATCTATATGATGGAGCCTGGT
GTGCTGAGGAGCAGGACCGCATCCATGGTTTCAGGTGGACGCTGGGCACCCACCCGCTTCTCGGGTGT
TATCACACAGGGCAGGAACCTCTGTCTGGAGGTATGACTGGGTACATCATACAAGTCCAGTTCAGCAAT
GACAGTCGGACCTGGTGGGAAGTAGGAACCACAGCAGTGGGATGGACGCAATTTCTGCCAATTCAG
ACCCAGAAACTCCAGTGCTGAACCTCCTGCCGGAGCCCAAGTGGCCCGCTTCATTTCGCCTGCTGCCCA
GACCTGGCTCCAGGGAGGCGCGCCTTGCCCTCCGGGCAGAGATCCTGGCCTGCCAGTCTCAGACCCCAAT
GACCTATTCCTTGAGGCCCTGCGTCGGGATCCTCTGACCCTCTAGACTTTCAGCATCACAATTACAAGG
CCATGAGGAAGCTGATGAAGCAGGTACAAGAGCAATGCCCAACATCACCCGCATCTACAGCATTGGGAA
GAGCTACCAGGGCCTGAAGCTGTATGTGATGGAATGTCCGACAAGCCTGGGGAGCATGAGCTGGGGGAG
CCTGAGGTGCGCTACGTGGCTGGCATGCATGGGAACGAGGCCCTGGGGCGGGAGTTGCTTCTGCTCCTGA
TGCAGTTCTGTGCCATGAGTTCTGCGAGGGAAACCCACGGGTGACCCGGCTGCTCTGAGATGGCAT
TCACCTGCTGCCCTCCATGAACCTGATGGCTATGAGATCGCCTACCACCGGGGTTTCAGAGCTGGTGGGC
TGGCCGAGGGCCGCTGGAACAACCAGAGCATCGATCTTAACCATAATTTTGTGACCTCAACACACCAC
TGTGGGAAGCACAGGACGATGGGAAGGTGCCCCACATCGTCCCCAACCATCACCTGCCATTGCCACTTA
CTACACCTGCCCAATGCCACCGTGGCTCCTGAAACGCGGGCAGTAATCAAGTGGATGAAGCGGATCCCC
TTTGTGCTAAGTGCCAACCTCCACGGGGTGAGCTCGTGGTGTCTACCCATTTCGACATGACTCGCACCC
CGTGGGCTGCCCGGAGCTCACGCCACACCAGATGATGCTGTGTTTCGCTGGCTCAGCACTGTCTATGC
TGGCAGTAATCTGGCCATGCAGGACACCAGCCCGCACCTGCCACAGCCAGGACTTCTCCGTGCACGGC
AACATCATCAACGGGGCTGACTGGCACACGGTCCCGGGAGCATGAATGACTTCAGTACCTACACACCA
ACTGCTTTGAGGTCACTGTGGAGCTGTCTGTGACAAGTTCCTCACGAGAATGAATTGCCCCAGGAGTG
GGAGAACAACAAAGACGCCCTCCTCACCTACCTGGAGCAGGTGCGCATGGGCATTGCAGGAGTGGTGGG
GACAAGGACACGGAGCTTGGGATTGCTGACGCTGTATTGCCGTGGATGGGATTAACCATGACGTGACCA
CGGCGTGGGGCGGGGATTATTGGCGTCTGCTGACCCAGGGGACTACATGGTGACTGCCAGTGCCGAGGG
CTACCATTCAGTGACACGGAACCTGTGGGTACCTTTGAAGAGGGCCCTTCCCTGCAATTTCTGTGCTC
ACCAAGACTCCCAACAGAGGCTGCGCGAGCTGCTGGCAGCTGGGCAAGGTGCCCCGGACCTTCGCA
GGCGCTGGAGCGGCTAAGGGGACAGAAGGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209394 representing NM_019609
 Red=Cloning site Green=Tags(s)

MWGLLLALAAFAPAVGPALGAPRNSVLGLAQP GTTKV PGLTPALHSSPAQPPAETANGTSEQHVRIK
 KKKVIMKKRKKLTLTRPTPLVTAGPLVPTPAGTLDPAEKQETGCPPLGLESRLVSDSRLEASSSQSFG
 L GPHRGRNLNIQSGLEDGLYDGAWCAEEQDADPWFQVDAGHPTRFSGVITQGRNSVWRYDWVTSYKVF
 SN DSRTWWGSRNHSSGMDAVFPANSDPETPVLNLLPEPQVARFIRLLPQTWLGQGAPCLRAEILACPVSDPN
 DLFL EAPASGSSDPLDFQHNYKAMRKL MKQVQE QCPNITRIYSIGKSYQGLKLYMEMSDKPGEHELGE
 PEVRYVAGMHGNEALGRELLLLMQFLCHEFLRGNPRVTRLLSEMRIHLLPSMNP DGYE IAYHRGSELVG
 WAEGRWNNQSIDLNHNFADLNTPLWEAQDDGKVP H IVPNHHLPLPTYTLPNATVAPETRAVIKWMKRIP
 FVLSANLHGGELVVSYPFDMTRTPWAARELTPTPDDAVFRWLSTVYAGSNLAMQDTSRRPCHSQDFSVHG
 NIINGADWHTVPGSMNDFSYLHTNCFEVTVELSCDKFPHENELPQEWENNKDALLTYLEQVRMGIAGVVR
 DKDTELGIA DAVI AVDGINHDVTTAWGGDYWRLLTPGDYMTASAEGYHSVTRNCRVTFEEGPFPCNFVL
 TKTPKQRLRELLAAGAKVPPDLRRRLERLRGQKD

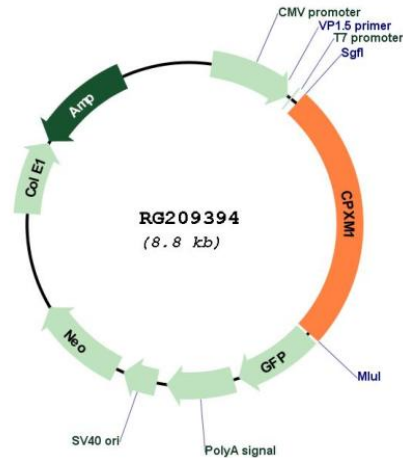
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_019609

ORF Size: 2202 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_019609.3](#), [NP_062555.1](#)

RefSeq Size: 2390 bp

RefSeq ORF: 2205 bp

Locus ID: 56265

UniProt ID: [Q96SM3](#)

Cytogenetics: 20p13

Domains: F5_F8_type_C, Zn_carbOpept

Protein Families: Druggable Genome, Protease, Secreted Protein

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]