

Product datasheet for **MC204467**

Crym (NM_016669) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crym (NM_016669) Mouse Untagged Clone
Tag: Tag Free
Symbol: Crym
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC045159

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CCCCGGTTCGAAGGCAGGCGCGGAGATGAAGCGGGGCCAGCGTTCTGAGCGCAGAGGAGGTGCAGGAT
CACCTTCGCAGCTCCAGCCTTCTCATCCCACCCCTGGAGGCCGACTGGCCAACCTCTCCAAAGGTCCCG
ACGGAGGGGTCATGCAGCCAGTGCACCGTGGTGCCTGTAGCCAAGCACCGAGGCTTCCTGGGAGTCAT
GCCTGCCTACAGTGCTGCTGAGGATGCGCTCACCACCAAGTTAGTCACCTTCTATGAGGGCCACAGCAAC
ACAGCGGTCCCCTCCCATCAGGCATCGGTGCTTCTCTTTGATCCCAGCAATGGCTCCCTGCTGGCGGTCA
TGGATGGAATGTGATACTGCAAAGAGAACAGCAGCGGTGTCTGCCATTGCCACAAAGCTGTTGAAGCC
CCCAGGCAGTGATGTGCTGTGCATCCTTGGAGCGGGGTCCAGGCGTACAGTCACTATGAGATCTTACA
GAGCAGTTCTCCTTCAAGGAGGTGAGAAATGTGGAACCGCACAGGAAAAATGCTGAGAAGTTTGAAGCA
CAGTGCAAGGAGATGTTCCGGTCTGTTTCATCAGTGCAGGAGGCTGTGACAGGTGCTGATGCATCATCAC
AGTCACCATGGCAACAGAGCCATTTTATTTGGTGAATGGTAAAGCCGGGGGCTCACATCAATGCTGTT
GGAGCCAGCAGGCTGACTGGCGAGAAGTGGATGACGAGCTCATGAGGCAAGCGGTGCTGTATGTGGACT
CCCGGGAGGCTGCCCTGAAGGAGTCAGGAGACGTTCTGTTGTGTCAGGGGCTGACATCTTTGCTGAGCTTGG
AGAAGTGATTTCAAGGAGCGAAGCCTGCACACTGTGAGAAGACCACAGTGTCAAATCTTTGGGGATGGCA
GTGGAAGACCTGGTTGCAGCCAAATTAGTATATGATTCTTGGTCACTGGCAAGTGAGTTGAAGGAACCG
TGCCTGAGTTGGCCATCACAGCTCAACTGTTTCAAGTGTCAAAATCAAAGGAGGTCCAGTCCCCAG
TGAATGGTAGTGATTGCATTCAAGTACTGACACCCCTATTTCATGTTTGTGGTGGATAGCTAAACCA
GGTAACCATTTCTCTGTTAAGGGGTGATGGCCACATTATCTACCCTTGATCTTACTAGTCTTGTATCTC
TCTGAAATAAATCATTTCCACTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites: RsrII-NotI
ACCN: NM_016669
Insert Size: 942 bp



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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).
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:	<u>BC045159</u> , <u>AAH45159</u>
RefSeq Size:	1277 bp
RefSeq ORF:	942 bp
Locus ID:	12971
UniProt ID:	<u>O54983</u>
Cytogenetics:	7 64.47 cM
Gene Summary:	Specifically catalyzes the reduction of imine bonds in brain substrates that may include cystathionine ketimine (CysK) and lanthionine ketimine (LK). Binds thyroid hormone which is a strong reversible inhibitor. Presumably involved in the regulation of the free intracellular concentration of triiodothyronine and access to its nuclear receptors (By similarity). [UniProtKB/Swiss-Prot Function]