

Product datasheet for MC207253

Crybb1 (NM_023695) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crybb1 (NM_023695) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crybb1
Synonyms:	3110006K12Rik; BB1CRY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207253 representing NM_023695 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCCAGGCTGCCAAGGCTTCAGCCACCACAGCGGTGAACCCAGGGCCTGATGGCAAGGAAAAGGG
CCCCATCCACAGGGCCAGCCCCTGCCCTGGCCCCACTCCTGTCCAGCTTCTGTGCCAGGCCGCTGC
CAAAGTAGGGGACCTGCCTCCTGGGAGCTACAGGCTGATCGTCTCGAGCAGGAAAACCTTCAGGGCCGC
CGGGTGAATTCTCGGGGAGTGCCTGAATCTGGGGACCGTGGCTTCGACAGAGTGCGCAGCCTGATCG
TCGTCTCGGGACCCTGGGTGGCCTTTGAGCAATCTGCCTCCGTGGAGAGATGTTTGTCTGGAGAAGGG
CGAGTACCCACGCTGGGACACCTGGACCAGCAGTTACCGAGTGACCGGCTCATGTCTTCGGGCCATC
AGGATGGATTCCAGGAACATAAGATCTGCCTGTTTGAAGGGGCCAACTCAAGGGCAACACCATGGAGA
TCCAAGAGGATGATGTGCCCAGCCTCTGGGTTTATGGCTTCTGTGACCGTGTGGGCAGCATAACCGTCTC
TGGTGGCAGATGGGTGGCTACCAAGTACCCAGGTTACCGTGGCTACCAAGTATCTGCTGGAGCCTGGCGAC
TTCCGGCACTGGAACGAGTGGGGCGCCTTCCAGCCGAGATGCAGGCTGTGCGGCGCCTGCGGGACCGCC
AGTGGCACCAAGAGGGCTGCTTCCCGGTGCTGACAGCCGAGCCCCCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_023695
Insert Size:	753 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_023695.3, NP_076184.1</u>
RefSeq Size:	887 bp
RefSeq ORF:	753 bp
Locus ID:	12960
UniProt ID:	<u>Q9WVJ5</u>
Cytogenetics:	5 54.63 cM
Gene Summary:	<p>This gene encodes a member of the crystallin family of proteins that contribute to the transparency and refractive properties of the ocular lens. The encoded protein associates with other beta crystallin proteins to form dimers, tetramers and other higher-order complexes. This gene is located adjacent to a related crystallin gene on chromosome 5. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 - 4 encode the same protein.</p>