

Product datasheet for **MG203610**

Crybb1 (BC029012) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crybb1 (BC029012) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crybb1
Synonyms:	3110006K12Rik; BB1CRY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203610 representing BC029012 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCAGGCTGCCAAGGCTTCAGCCACCACAGCGGTGAACCCAGGGCCTGATGGCAAGGAAAAGGG
CCCCATCCACAGGGCCAGCCCTGCCCTGGCCCCACTCCTGTCCAGCTTCTGTGCCAGGCCCGCTGC
CAAAGTAGGGGACCTGCCTCCTGGGAGCTACAGGCTGATCGTCTTCGAGCAGGAAAACCTTCAGGGCCGC
CGGGTGAATTCTCGGGGAGTGCCTGAATCTGGGGACCGTGGCTTCGACAGAGTGCGCAGCCTGATCG
TCGTCTCGGGACCCTGGGTGGCCTTTGAGCAATCTGCCTCCGTGGAGAGATGTTTGTCTGGAGAAGGG
CGAGTACCCACGCTGGGACACCTGGACCAGCAGTTACCGAGTGACCGGCTCATGTCTTCGGGCCATC
AGGATGGATTCCCAGGAACATAAGATCTGCCTGTTTCAAGGGGCCAACTTCAAGGGCAACACCATGGAGA
TCCAAGAGGATGATGTGCCCAGCCTCTGGGTTTATGGCTTCTGTGACCGTGTGGGCAGCATAACCGTCTC
TGGTGGCAGATGGGTGGCTACCAAGTACCCAGGTTACCGTGGCTACCAAGTATCTGCTGGAGCCTGGCGAC
TTCCGGCACTGGAACGAGTGGGGCGCCTTCCAGCCGAGATGCAGGCTGTGCGGCGCCTGCGGGACCGCC
AGTGGCACCAAGAGGGCTGCTTCCCGGTGCTGACAGCCGAGCCCCCAAGTGAGACAAGCTCCCGGCT
CCCTTCTACAGCCCGCCTGCCTCACGTCCCATCTTCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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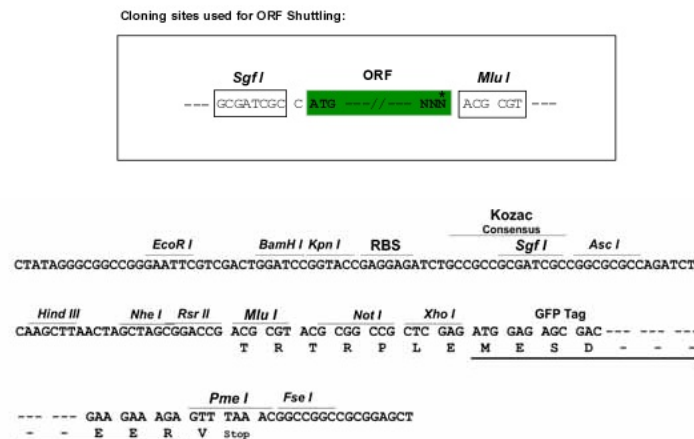
Protein Sequence: >MG203610 representing BC029012
 Red=Cloning site Green=Tags(s)

MSQAAKASATTAVNPGPDGKKGAPSTGPAPAGPTVPASVPRPAAKVGDLPPGSYRLIVFEQENFQGR
 RVEFSGECLNLGDRGFDVRSLIVVSGPWVAFEQSAFRGEMFVLEKGEYPRWDTWTSSYRSDRLMSFRPI
 RMDSQEHIKICLFEGANFKGNTMEIQEDDVPSLWVYGFCDRVGSITVSGGTWVGYYQYPGYRGYQYLLEPGD
 FRHWNEWGAFQPMQAVRRLRDRQWHQEGCFVLTAEPPQVRQAPGLPSTARPASRPPIFPY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC029012

ORF Size: 815 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: [BC029012](#), [AAH29012](#)

RefSeq Size: 894 bp

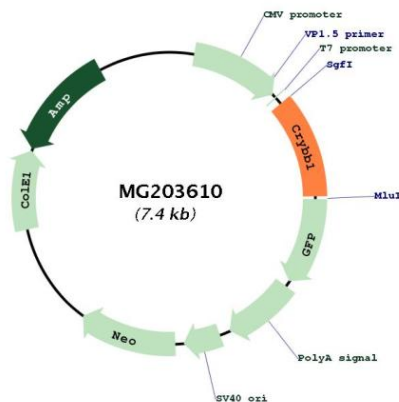
RefSeq ORF: 815 bp

Locus ID: 12960

Cytogenetics: 5 54.63 cM

Gene Summary: 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]

Product images:



Circular map for MG203610