

Product datasheet for **MC202680**

Cryba4 (NM_021351) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cryba4 (NM_021351) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cryba4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC058703 sequence for NM_021351 GGCCCTTCTTGGACCGTGCCAACATGACCCTGCAGTGCACCAAGTCAGCTGGACACTGGAGGATGGTGGT GTGGGATGAAGAAGGCTTCCAGGGCCGACGGCATGAATTCACAGCTGAGTGTCCCAGTGTCTGGAACCT GGTTTTGAGACGGTGCATCTCTCAAAGTCCTGAGCGGAGCGTGGGTAGGCTTTGAGCACGCCGGCTTCC AAGGACAGCAATATGTGCTGGAGAGGGCGATTACCCGGGCTGGGATGCCTGGGGTGGCAACACAGCCTA CCCTGCGGAGAGGCTCACCTCCTTCCGGCCTGTGGCTGCGCTAACCACCGGACTCAAGGCTGACCATC TTCGAGCAGGAGAACTTCTGGGAGGAAAGGCGAGCTGAACGATGACTATCCCTCTCTGACGGCCATGG GCTGGGACGGCACTGAAGTGGGCTCCTTCCATGTTCAATCTGGGGCGTGGGTTTGTCCCAGTTTCTGG CTACCGAGGTTTTTCAGTACATCCTGGAGAGCGATCACCCTCAGGTGACTACAAGCACTTTCAGAGAGTGG GGCTCCCATGCTCACACCTTCCAGGTGCAGAGTGTGCGCAGAATCCAGCAGTGAGCACGCACTGGCGACC TGGGGTGCCTGCGAAACGACTGGGTGACTGGCCGGAGGATGTGGCTGCTTTGGTTCTGGTACCCTTGT GTCCCTCTGGAAACCCACATCCCTGTGAGCCAGCCATGCCCGCCAGCTCATGGAGCTCAAAGAAATAA AATGAAAAACAAAAGACTCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	AscI-NotI
ACCN:	NM_021351
Insert Size:	591 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).
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).



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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: [BC058703](#), [AAH58703](#)

RefSeq Size: 814 bp

RefSeq ORF: 591 bp

Locus ID: 12959

UniProt ID: [Q9JIV0](#)

Cytogenetics: 5 F

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. Certain mutations in the human ortholog of this gene are associated with cataract and bilateral microphthalmia. This gene is located adjacent to a related crystallin gene on chromosome 5. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).