

## Product datasheet for MR228293

### Cryab (NM\_001289785) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cryab (NM\_001289785) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cryab  
**Synonyms:** Cry; Crya; Crya-2; Crya2; Hsp; HspB5; P23  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228293 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGACATCGCCATCCACCACCCTGGATCCGGCGCCCTTCTTCCCCTTCCACTCCCCAAGCCGCCTCT  
 TCGACCAGTTCTTCGGAGAGCACCTGTTGGAGTCTGACCTCTTCTCAACAGCCACTTCCCTGAGCCCTT  
 CTACCTTCGGCCACCCTCCTTCTGCGGGCACCCAGCTGGATTGACACCGGACTCTCAGAGATGCGTTTG  
 GAGAAGGACAGATTCTCTGTGAATCTGGACGTGAAGCACTTCTCTCCGGAGGAACCAAAGTCAAGTTT  
 TGGGGGACGTGATTGAGGTCCACGGCAAGCACGAAGAAGCCAGGACGAACATGGCTTCATCTCCAGGGA  
 GTTCCACAGGAAGTACCGGATCCCAGCCGATGTGGATCCTCTCACCATCACTTCATCCCTGTCATCTGAT  
 GGAGTCTCACTGTGAATGGACCAAGGAAACAGGTGTCTGGCCCTGAGCGCACCATTCCCATCACCCGTG  
 AAGAGAAGCCTGCTGTCGCCGACGCCCTAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228293 protein sequence  
 Red=Cloning site Green=Tags(s)

MDIAIHHPWIRPPFFPFHSPSRLFDQFFGEHLLESDFSTATSLSPFYLRPPSFLRAPSWIDTGLSEMRL  
 EKDRFSVNLVDVKHFSPEELKVKVLGDVIEVHGKHEERQDEHGFISREFHRKYRIPADVDPLTITSSLSDD  
 GVLTVNGPRKQVSGPERTIPITREEKPAVAAAPKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



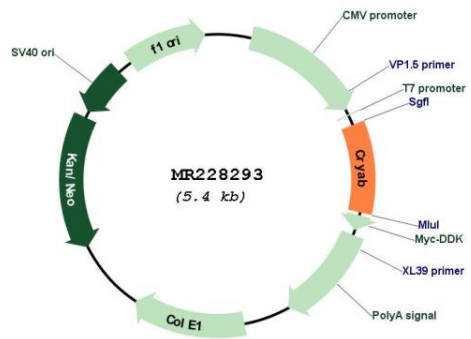


**MW:** 20.1 kDa

**Gene Summary:**

This gene encodes a member of the small heat-shock protein (HSP20) family. The encoded protein is a molecular chaperone that protects proteins against thermal denaturation and other stresses. This protein is a component of the eye lens, regulates lens differentiation and functions as a refractive element in the lens. This protein is a negative regulator of inflammation, has anti-apoptotic properties and also plays a role in the formation of muscular tissue. Mice lacking this gene exhibit worse experimental autoimmune encephalomyelitis and inflammation of the central nervous system compared to the wild type. In mouse models, this gene has a critical role in alleviating the pathology of the neurodegenerative Alexander disease. Mutations in the human gene are associated with myofibrillar myopathy 2, fatal infantile hypertonic myofibrillar myopathy, multiple types of cataract and dilated cardiomyopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

**Product images:**



Circular map for MR228293