

Product datasheet for **MR228291**

Cryab (NM_001289782) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cryab (NM_001289782) 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: >MR228291 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACATCGCCATCCACCACCCTGGATCCGGCGCCCTTCTTCCCCTTCCACTCCCCAAGCCGCCTCT
TCGACCAGTTCTTCGGAGAGCACCTGTTGGAGTCTGACCTCTTCTCAACAGCCACTTCCCTGAGCCCTT
CTACCTTCGGCCACCCTCCTTCTGCGGGCACCCAGCTGGATTGACACCGGACTCTCAGAGATGCGTTTG
GAGAAGGACAGATTCTCTGTGAATCTGGACGTGAAGCACTTCTCTCCGGAGGAACCAAAGTCAAGTTT
TGGGGGACGTGATTGAGGTCCACGGCAAGCACGAAGAAGCCAGGACGAACATGGCTTCATCTCCAGGGA
GTTCCACAGGAAGTACCGGATCCCAGCCGATGTGGATCCTCTCACCATCACTTCATCCCTGTCATCTGAT
GGAGTCTCACTGTGAATGGACCAAGGAAACAGGTGTCTGGCCCTGAGCGCACCATTCCCATCACCCGTG
AAGAGAAGCCTGCTGTCGCCGACGCCCTAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228291 protein sequence
Red=Cloning site Green=Tags(s)

MDIAIHHPWIRPPFFPFHSPSRLFDQFFGEHLLESDFSTATSLSPFYLRPPSFLRAPSWIDTGLSEMRL
EKDRFSVNLDVKHF SPEELKVKVLGDVIEVHGKHEERQDEHGFISREFHRKYRIPADVDPLTITSSLSDD
GVLTVNGPRKQVSGPERTIPITREEKPAVAAAPKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



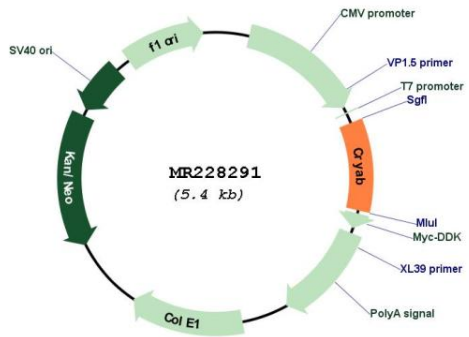
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MW: 20.1 kDa

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 MR228291