

Product datasheet for **TP509229**

Cry2 (BC054794) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse cryptochrome 2 (photolyase-like) (cDNA clone MGC:65642 IMAGE:6834104), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR209229 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAAVVAATVPAQSMGADGASSVHWFRKGLRLHDNPALLAAVARGARCVRCVYILDPWF AASSVGINRW
RFLQSLDLDTSRKLNSRLFVVRGQPADVFPRLFKEWGVTRLTFEYDSEPFGERDAAIMKMAKEAGV
EVTENSHTLYDLDRIIELNGQKPPLTYKRFQALISRMELPKKPAVAVSSQQMESCR AEIQENHDDTYGV
PSLEELGFPT EGLGPAVWQGGETEALARLDKHLERKAWVANYERPRMNANLLASPTGLSPYLRFGCLSC
RLFYRLWDLYKKVKRNSTPPLSLFGQLLWREFFYTAATNPNRFD RMEGNPICIQIPWDRNPEALAKWAE
GKTGFPWIDAIMTQLRQEGWIHHLARHAVACFLTRGDLWVSWESGVRVFE LLLDADFSVNAGSWMWLSC
SAFFQQFFHCYCPVGFGRRTDPSGDYIRRYLPKLGFP SRYIYEPWNAPESVQKAAKCIIGVDYPRPIVN
HAETSRLNIERMKQIYQQLSRYRGLCLLASVPSCVEDLSHPVAEPGSSQAGSISNTGPRALSSGPASP KR
KLEAAEPPGEELTKRARVTEMP TQEPASKDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 66.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID: 12953

UniProt ID: [Q9R194](#)

RefSeq Size: 3975

Cytogenetics: 2 E1

RefSeq ORF: 1776

Synonyms: AV006279; D130054K12Rik

Summary: This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. This gene is upregulated by Clock/Arntl heterodimers but then represses this upregulation in a feedback loop using Per/Cry heterodimers to interact with Clock/Arntl. Polymorphisms in this gene have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. [provided by RefSeq, Feb 2014]