

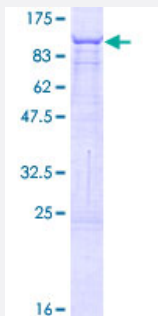
Full-Length

CRY2 (Human) Recombinant Protein (P01)

Catalog # H00001408-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CRY2 full-length ORF (NP_066940.1, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAATVATAAAVAPAPAPGTDSASSVHWFRKGLRLHDNPALLAAVRGARCVRVCVYILDPWFAAS
SSVGINRWRFLLQSLEDLDTSLRKLNSRLFVVRGQPADVFPRLFKEWGVTRLTFEYDSEPFGKE
RDAAIMKMAKEAGVEVVTENSHTLYDLDRIIELNGQKPPLYKRFQAIISRMELPKKPVGLVTSQQM
ESCRAEIQENHDETYGVPSLEELGFPTTEGLGPAVWQGGETEALARLDKHLERKAWVANYERPR
MNANSLLASPTGLSPYLRFGLSCRLFYRLWDLYKKVKRNPPLSLFGQLLWREFFYTAATNN
PRFDRMEGNPICIQIPWDRNPEALAKWAEKGKTGF PWIDAIMTQLRQEGWIHHLARHAVACFLTRG
DLWVSWESGVRVDFDELLDADFSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDYIR
RYLPKLKAFPSRYIYEPWNAPESIQKAAKCIIGVDYPRPIVNHAEISRLNIERMKQIYQQLSRYRGLCL
LASVPSCVEDLSHPVAEPSSSQAGSMSSAGPRPLPSGPASPKRKLEAAEEPPGEELSKRARVA
ELPTPELPSKDA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

93.3

Interspecies Antigen Sequence

Mouse (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CRY2

Entrez GeneID	1408
GeneBank Accession#	NM_021117.1
Protein Accession#	NP_066940.1
Gene Name	CRY2
Gene Alias	FLJ10332, HCRY2, KIAA0658, PHLL2
Gene Description	cryptochrome 2 (photolyase-like)
Omim ID	603732
Gene Ontology	Hyperlink
Other Designations	growth-inhibiting protein 37

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Lymphoma](#)
- [Mood Disorders](#)
- [Obesity](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Deprivation](#)
- [Sleep Disorders](#)
- [Tobacco Use Disorder](#)