

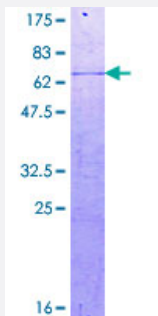
Full-Length

CDK5R2 (Human) Recombinant Protein (P01)

Catalog # H00008941-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDK5R2 full-length ORF (AAH41771.1, 1 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGTVLSLSPASSAKGRRPGGLPEEKKKAPPAGDEALGGYGAPPVKGKGKGESRLKRPSVLISAL
LTWRRLVAASAKKKKGSKKVTPKPASTGPDPLVQQRNRENLLRKGRDPPDGGGTAKPLAVPVP
TVAAAAATCEPPSGGSAAAQPPGSGGGKPPPPPPAPQVAPPVPGGSPRRVMQASTGELLRC
LGDFVCRRCYRLKELSPGELVGWFRGVDRSLLLQGWQDQAFITPANLVFVYLLCRESLRGDELA
SAAELQAAFLTCLYLAYSIMGNEISYPLKPFLVEPDKERFWQRCLRLIQLRSPQMLRLNADPHFFT
QVFQDLKNEGEAAASGGGPPSGGAPAASSAARDSCAAGTKHWTMNLDR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.1

Interspecies Antigen Sequence

Mouse (94); Rat (95)

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 — CDK5R2

Entrez GeneID[8941](#)**GeneBank Accession#**[BC041771.1](#)**Protein Accession#**[AAH41771.1](#)**Gene Name**

CDK5R2

Gene Alias

NCK5AI, P39, p39nck5ai

Gene Description

cyclin-dependent kinase 5, regulatory subunit 2 (p39)

Omim ID[603764](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a neuron-specific activator of CDK5 kinase. It associates with CDK5 to form an active kinase. This protein and neuron-specific CDK5 activator CDK5R1/p39 NCK5A both share limited similarity to cyclins, and thus may define a distinct family of cyclin-dependent kinase activating proteins. [provided by RefSeq]

Other Designations

CDK5 activator 2|cyclin-dependent kinase 5 activator isoform p39i|cyclin-dependent kinase 5, regulatory subunit 2|neuronal CDK5 activator isoform