

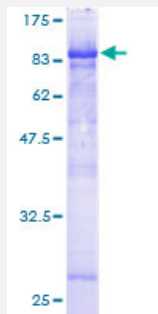
Full-Length

# CDK5RAP3 (Human) Recombinant Protein (P01)

Catalog # H00080279-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human CDK5RAP3 full-length ORF ( AAH09957, 1 a.a. - 506 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MEDHQHVPIDIQTSKLLDWLVDRRHCSLKWQSLVLTIREKINAAIQDMPESSEEIAQLLSGSYHYFHC  
LRILDLLKGTEASTKNIFGRYSSQRMKDWQEIIALYEKDNTYLVESLLVRNVNYEIPSLKKQIAKCQ  
QLQQEYSRKEEEECQAGAAEMREQFYHSCKQYGITGENVRGELLALVKDLPSQLAEIGAAAQSSL  
GEAIDVYQASVGFVCESPTQVLPMLRFVQKRGNSTVYEWRTGTEPSVVERPHLEELPEQVAED  
AIDWGDGFGVEAVSEGTDSGISAEAAGIDWGIFPESDSKDPGGDGIDWGDDAVALQITVLEAGTQA  
PEGVARGPDALTLEYTETRNQFLDELMELEIFLAQRAVELSEEADVLVSVSQFLAPAILQGQTKE  
KMVTMVSVLEDLIGKLTSLQLQHLFAMILASPRYVDRVTEFLQQKLKQSQLLALKKELMVQKQKEAL  
EEQAALPKLDLLEKTKELQKLEADISKRYSGRPVNLMTSL

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

81.51

### Interspecies Antigen Sequence

Mouse (87)

### 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 — CDK5RAP3

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">80279</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| GeneBank Accession# | <a href="#">BC009957</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">AAH09957</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Name           | CDK5RAP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Alias          | C53, HSF-27, IC53, LZAP, MST016, OK/SW-cl.114                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description    | CDK5 regulatory subunit associated protein 3                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID             | <a href="#">608202</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Summary        | Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is composed of a catalytic subunit, CDK5, and an activating subunit, p25NCK5A. The protein encoded by this gene binds to p25NCK5A and therefore may be involved in neuronal differentiation. The encoded protein, which may be a substrate of neuronal CDC2-like kinase, has also been found in vascular endothelial cells, where it mediates cell proliferation. [provided by RefSeq] |
| Other Designations  | LXXLL/leucine-zipper-containing ARFbinding protein ischemic heart CDK5 activator-binding protein C53                                                                                                                                                                                                                                                                                                                                                                               |