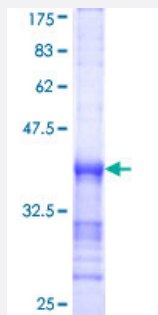


PPP3CA (Human) Recombinant Protein (Q01)

Catalog # H00005530-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPP3CA partial ORF (NP_000935, 1 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSEPKAIDPKLSTTDRVVKAVPFPPSHRLTAKEVFDNDGKPRVDILKAHLMKEGRLEESVALRIT EGASILRQEKNLLDIDAP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.98
Interspecies Antigen Sequence	Mouse (100); Rat (100)
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 — PPP3CA

Entrez GeneID	5530
GeneBank Accession#	NM_000944
Protein Accession#	NP_000935
Gene Name	PPP3CA
Gene Alias	CALN, CALNA, CALNA1, CCN1, CNA1, PPP2B
Gene Description	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform
Omim ID	114105
Gene Ontology	Hyperlink
Gene Summary	catalytic subunit
Other Designations	calcineurin A alpha protein phosphatase 3, catalytic subunit, alpha isoform serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Calcium signaling pathway](#)

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)