

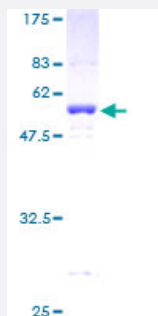
Full-Length

PPP1R8 (Human) Recombinant Protein (P01)

Catalog # H00005511-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPP1R8 full-length ORF (AAH13360, 1 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGGEDDELKGLLGLPEEETELDNLTEFNTAHNKRISTLTIEEGNLDIQRPKRMRKNSRVTFSEDDEI
INPEDVDPSVGRFRNMVQTAVVPVKKKRVEGPGSLGLEESGSRRMQNFAFSGGLYGGLPPTHS
EAGSQPHGIHGTALIGGLPMPYPNLAPVDLTPVPSAVNMNPAPNPAVYNPEAVNEPKKKKYA
KEAWPGKKPTPSLLI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48.73

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 — PPP1R8

Entrez GeneID [5511](#)

GeneBank Accession# [BC013360](#)

Protein Accession# [AAH13360](#)

Gene Name PPP1R8

Gene Alias ARD-1, ARD1, NIPP-1, NIPP1, PRO2047

Gene Description protein phosphatase 1, regulatory (inhibitor) subunit 8

Omim ID [602636](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of E. coli. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA. [provided by RefSeq]

Other Designations OTTHUMP00000003847|OTTHUMP00000003848|OTTHUMP00000003849|OTTHUMP00000044938|RNase E|activator of RNA decay|nuclear inhibitor of protein phosphatase-1|nuclear subunit of PP-1|protein phosphatase 1 regulatory inhibitor subunit 8|protein phosphatase 1 regula