

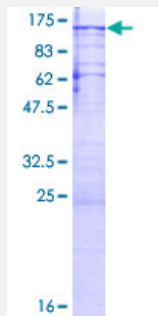
Full-Length

PPP1R10 (Human) Recombinant Protein (P01)

Catalog # H00005514-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPP1R10 full-length ORF (NP_002705.2, 1 a.a. - 940 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSGPIDPKELLKGLDSFLNRDGEVKSVDGISKIFSLMKEARKMVSRC TYLNILLQTRSPEILVKFID
VGGYKLLNNWLTYSKTTNNIPLLQILLTLQHPLTVDHLKQNTAKLVKQLSKSSEDEELRKLASV
LVSDWMAVIRSQSSTQPAEKDKKKRKDEGKSRTTLPERPLTEVKAETRAEEAPEKKREKPKSLR
TTAPSHAKFRSTGLELETPSLVPVKKNASTVVVSDKYNLKIPLKRQSNVAAPGDATPPAEKKYK
PLNTTPNATKEIKVKIIPPQPMIEGLGFLDALNSAPVPGIKIKKKKKVLSPTAAKPSPFEGKTSTEPST
AKPSSPEPAPPSEAMDADRP GTPVPPVEPELMDTASLEPGALDAKPVESPGDPNQLTRKGR
KRKSVTWPEEGKLREYFYFELDETERVNVNLIKDFGEAAKREILSDRHAFETARRLSHDNMEEKV
PWVCPRPLVLPSP LVTPGSNSQERYQAEREKGILQELFLNKESPEPDPEPYEPIPPKLIPLDEE
CSMDETPYVETLEPGSGGSPDGAGGSKLPPVLANLMGSMGAGKGPQGPGGGGINVQEILTSIM
GSPNSHPSEELLKQPDYSDKIKQMLVPHGLLGPGPIANGFPPGGPGGPKGMQHFPPGPGGPMP
GPHGGPGGPVGPRLLGPPPPPRGGDPFWDGPGDPMRGGPMRGGPGPGPYHRGRGGRGG
NEPPPPPPPPFRGARGGRSGGGPPNGRGGPGGGMVGGGGHRPHEGPGGGMGNSSGHRPHEG
PGGGMGSGHRPHEGPGGSMGGGGGHRPHEGPGGGISGSGHRPHEGPGGGMGAGGGHRPH
EGPGGSMGGSGHRPHEGPGHGGPHGHRPHDVPGHRGHDHRGPPPEHRGHDGPGHGGGG
HRGHDGGHSHGGDMSNRPVCRHFMMKGNCRYENNC AFYHPGVNGPPLP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

125.5

Interspecies Antigen Sequence

Mouse (93); Rat (94)

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 — PPP1R10

Entrez GeneID[5514](#)**GeneBank Accession#**[NM_002714.2](#)**Protein Accession#**[NP_002705.2](#)**Gene Name**

PPP1R10

Gene Alias

CAT53, FB19, PNUTS, PP1R10

Gene Description

protein phosphatase 1, regulatory (inhibitor) subunit 10

Omim ID[603771](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene encodes a protein with similarity to a rat protein that has an inhibitory effect on protein phosphatase-1 (PP1). The rat protein localizes to the nucleus and colocalizes with chromatin at distinct phases during mitosis. This gene lies within the major histocompatibility complex class I region on chromosome 6. [provided by RefSeq]

Other Designations

phosphatase nuclear targeting subunit|protein phosphatase 1 regulatory subunit 10|protein phosphatase 1, regulatory subunit 10

Publication Reference

- [lncRNA Directs Cooperative Epigenetic Regulation Downstream of Chemokine Signals.](#)

Xing Z, Lin A, Li C, Liang K, Wang S, Liu Y, Park PK, Qin L, Wei Y, Hawke DH, Hung MC, Lin C, Yang L.
Cell 2014 Nov; 159(5):1110.

Application: Array, Human, Breast cancer cells

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)