

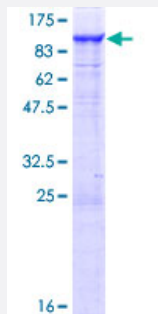
Full-Length

# PTPDC1 (Human) Recombinant Protein (P01)

Catalog # H00138639-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human PTPDC1 full-length ORF ( AAH67120.1, 1 a.a. - 754 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MAAGVLPQNEQPYSTLVNNSSECVANMKGNLERPTPKYTKVGERLRHVIPGHMACSMACGGRAC  
KYENPARWSEQEQAIGVYSSWVTDNILAMARPSSELLEKYHIDQFLSHGKTIINLQRPGEHASC  
NPLEQESGFTYLPEAFMEAGIYFNFGWKDYGVASLTITLDMVKVMTFALQEGKVAIHCHAGLGRT  
GVLIACYLVFATRMTADQAIIFVRAKRPNSIQTRGQLLCVREFTQFLTPLRNIFSCCDPKAHAVTLPQ  
YLIRQRHLLHGYEARLLKHVPKIIHLVCKLLDLAENRPVMMKDVSEGPGLSAEIEKTMSEMVTMQL  
DKELLRHDSDFSNNPNTAFAADFDNRGMIFSNEQQQFDPLWKRRNVECLQPLTHLKRRLSYSDS  
DLKRAENLLEQGETPQTVPAQILVGHKPRQQKLISHCYIPQSPEPDHKEALVRSTLSFWSQSKF  
GGLEGLKDNGSPIFHGRIIPKEAQQSGAFSADVSGSHSPGEPVSPSFANVHKDPNPAHQVSHC  
QCKTHGVGSPGSRQNSRTPRSPDCGSSPKAQFLVEHETQDSKDLSEAASHSALQSELSAEA  
RRILAAKALANLNESEKEELKRKVEMWQKELNSRDGAWERICGERDPFILCSLMWSWVEQLKE  
PVITKEDVDMLVDRRADAAEALFLEKGGHQTILCVLHCVNLQTIPVDVEEAFLAHAIAKFTKVN  
FDSNGPTVYNTLKKIFKHTLEEKRMKTDGPKPGL

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

110.9

### 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 — PTPDC1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">138639</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">BC067120.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">AAH67120.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name           | PTPDC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | FLJ42922, PTP9Q22                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description    | protein tyrosine phosphatase domain containing 1                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary        | The protein encoded by this gene contains a characteristic motif of protein tyrosine phosphatases (PTPs). PTPs regulate activities of phosphoproteins through dephosphorylation. They are signaling molecules involved in the regulation of a wide variety of biological processes. The specific function of this protein has not yet been determined. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000021688 OTTHUMP00000123402 protein tyrosine phosphatase PTP9Q22 protein tyrosine phosphatase domain containing 1 protein                                                                                                                                                                                                                                                                                                                                    |