

## Recombinant Human PTPN12, Gly & Pro tagged

Cat. No. PTPN12-411H    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human PTPN12 (AAA36529.1) (Met1-Gln355), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.                                                                         |
| <b>Species</b>              | Human                                                                                                                                                                                                                                       |
| <b>Source</b>               | Insect Cells                                                                                                                                                                                                                                |
| <b>ProteinLength</b>        | 1-355 a.a.                                                                                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Gly                                                                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                             |
| <b>Molecular Mass</b>       | The secreted recombinant human PTPN12 consists of 357 amino acids and predicts a molecular mass of 41.8 KDa. The apparent molecular mass of the protein is approximately 41 KDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>            | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                             |
| <b>Purity</b>               | >85 % as determined by SDS-PAGE                                                                                                                                                                                                             |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION****Gene Name**

PTPN12 protein tyrosine phosphatase, non-receptor type 12 [ Homo sapiens ]

**Official Symbol**

PTPN12

**Gene ID**

5782

**mRNA Refseq**

NM\_001131008

**Protein Refseq**

NP\_001124480

**MIM**

600079

**UniProt ID**

Q05209

**Chromosome  
Location**

7q11.23

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