

Active Recombinant Human PTPN12 protein

Cat. No. PTPN12-2199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PTPN12 protein(AAA36529.1) (Met1-Gln355) was expressed and purified in Insect Cells with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-355 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.
Bio-activity	Measured by its ability to dephosphorylate a tyrosine residue in a peptide containing the EGFR Y992 phosphorylation site. The specific activity is >20 µmol/min/mg.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. 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

Synonyms PTPN12; protein tyrosine phosphatase, non-receptor type 12; tyrosine-protein phosphatase non-receptor type 12; PTP PEST; PTPG1; protein-tyrosine phosphatase G1; PTP-PEST;

Gene ID 5782

mRNA Refseq NM_001131008

Protein Refseq NP_001124480

MIM 600079

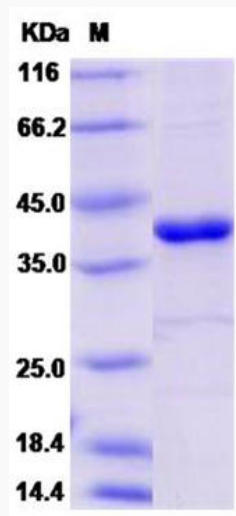
UniProt ID Q05209

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SDS-PAGE



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