

Human PTPN12 (aa 1-355, His & GST Tag) recombinant protein



Catalog Number: 500693

General Information

Gene Name Synonym

PTP-PEST; Protein-tyrosine phosphatase G1

Protein Construction

A DNA sequence encoding the human PTPN12 (AAA36529.1) (Met1-Gln355) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate, R&D Systems, Catalog # ES006.

The specific activity is > 15 μ moles/min/mg.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human PTPN12 chimera consists of 592 amino acids and has a calculated molecular mass of 69.4 kDa. The recombinant protein migrates approximately 64 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

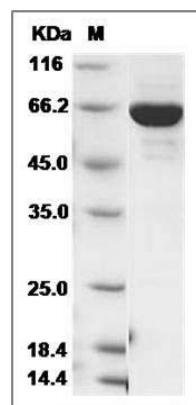
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human PTPN12 Protein (aa 1-355, His & GST Tag) SDS-PAGE