

Human PTPN2/TC-PTP (aa 1-314, His & GST Tag) recombinant protein



Catalog Number: 502275

General Information

Gene Name Synonym

T-cell protein-tyrosine phosphatase

Protein Construction

A DNA sequence encoding the amino acid (Met 1-Asn 314) of human PTPN2 (P17706-1) was fused 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 > 30 nmoles/min/μg.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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 PTPN2 (aa 1-314)/GST chimera consists of 551 amino acids and predicts a molecular mass of 64.4 kDa. It migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

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

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

Usage Guide

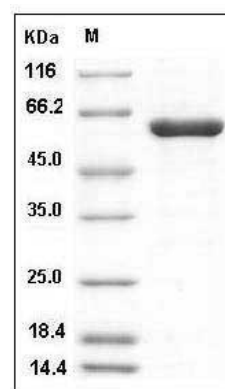
Storage

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 PTPN2 / TC-PTP Protein (aa 1-314, His & GST Tag) SDS-PAGE