Active Recombinant Human PTPN12 protein, His&GST-tagged

Cat. No. PTPN12-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PTPN12 protein(AAA36529.1) (Met1-Gln355) was expressed in Insect Cells with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-355 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.0.
Bio-activity	Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate. The specific activity is > 15 μmoles/min/mg.
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

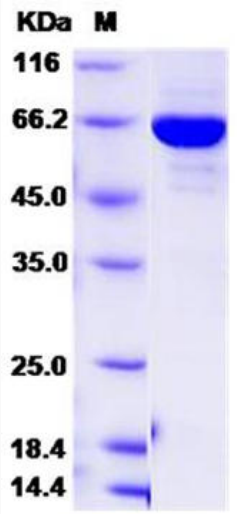
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	aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before 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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