

Recombinant Human PTPN12, GST-tagged, Active

Cat. No. PTPN12-462H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPN12 (1-355) was expressed in <i>E. coli</i> cells using a N-terminal GST tag. MW = 66 kDa.
Species	Human
Source	E.coli
Protein Length	1-355 a.a.
Description	Protein tyrosine phosphatase-PEST (PTPN12), a ubiquitously expressed cytoplasmic tyrosine phosphatase, is thought to play an important role in cell adhesion and motility, cell migration, and signal transduction for antigen receptors in B and T lymphocytes. Signal transduction via tyrosine phosphorylation, normally fine-tuned by the concerted action of both protein tyrosine kinases and protein tyrosine phosphatases (PTPs), is a key mechanism in tumorigenesis. Studies suggest potential role for PTP-PEST in regulation of p130(cas) in mitogen- and cell adhesion-induced signaling events.
Sequence	1-355.
Applications	Phosphatase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

 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

GENE INFORMATION

Gene Name	PTPN12 protein tyrosine phosphatase, non-receptor type 12 [Homo sapiens]
Synonyms	protein tyrosine phosphatase, non-receptor type 12; PTPG1; PTP-PEST; PTPN12; protein-tyrosine phosphatase G1; tyrosine-protein phosphatase non-receptor type 12; EC 3.1.3.48; OTTHUMP00000025119; Protein-tyrosine phosphatase G1
Gene ID	5782
mRNA Refseq	NM_001131008
Protein Refseq	NP_001124480
MIM	600079
UniProt ID	Q05209
Chromosome Location	7q11.23
Function	SH3 domain binding; hydrolase activity; protein binding; non-membrane spanning protein tyrosine phosphatase activity

 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