

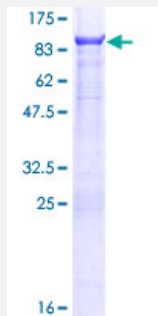
Full-Length

PTPN5 (Human) Recombinant Protein (P01)

Catalog # H00084867-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PTPN5 full-length ORF (NP_008837.1, 1 a.a. - 565 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGLQDSQREMPPPPPP
SPPSDPAQKPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHIWSQNATNLVSSLLTL
LKQLEPTAWLD SGTWGVPSLLL VFLSVGLVLVTTLVWHLLRTPPEPTPLPPEDRRQSVSRQPS
FTYSEWMEEKIEDDFLDLPVPETPVFDCVMDIKPEADPTSLTVKSMGLQERRGSNVSLTDMC
TPGCNEEGFGYLMSPREESAREYLLSASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDI
PGLVRKNRYKTILPNPHSRVCLTSPDPDDPLSSYNANYIRGYGEEKVYIATQGPIVSTVADFWRM
VWQEHTPIVMITNIEEMNEKCTEYWPEEQVAYD GVEITVQKVIHTEDYRLRLISLKS GTEERGLKHY
WFTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCAPIVHCSAGIGRTGCFIATSICCQQLRQE
GVVDILKTTCQLRQDRGGMIQTCEQYQFVHHVMSLYEKQLSHQSPE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.9

Interspecies Antigen Sequence

Mouse (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTPN5

Entrez GeneID	84867
GeneBank Accession#	NM_006906.1
Protein Accession#	NP_008837.1
Gene Name	PTPN5
Gene Alias	FLJ14427, PTPSTEP, STEP
Gene Description	protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)
Omim ID	176879
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000165938 OTTHUMP00000165958

Pathway

- [MAPK signaling pathway](#)

Disease

- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Kidney Failure](#)
- [Microsatellite Instability](#)
- [Tobacco Use Disorder](#)