PTPN11 (T253M Q257L) Recombinant Protein | PTPN11 recombinant protein

PTPN11 (T253M Q257L), Active

CATALOG #	HOST	APPLICATIONS
AAA73829	**Sf9 insect cells**	**Western Blot**

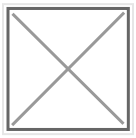
PRODUCT SYNONYMS

PTPN11 (T253M Q257L); Active; SHP2; CFC; NS1; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3; MGC14433; PTPN11 recombinant protein

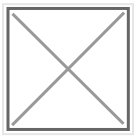
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PTPN11 recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity
Specific Activity : Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPN11 recombinant protein	Recombinant full-length human PTPN11 (T253M Q257L) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002834. Mammalian PTPases can be subdivided into 1 of 2 broad categories: transmembrane receptor PTPases and intracellular PTPases. PTPN11 is one of the 2 closely related mammalian intracellular PTPases whose sequences encode 2 tandem SRC homology 2 (SH2) domains that are located at the amino-terminal side of a single PTPase catalytic domain (1). This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration (2)
Product Categories/Family for PTPN11 recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; JAK/STAT Pathway; Metabolic Disorder; Phosphatases; WNT Signaling
References	1. Dechert, U. et al: Protein-tyrosine phosphatase SH-PTP2 (PTPN11) is localized to 12q24.1-24.3. Hum. Genet. 96: 609-615, 1995. 2. Ahmad, S. et al: A widely expressed human protein-tyrosine phosphatase containing src homology 2 domains. Proc. Nat. Acad. Sci. 90: 2197-2201, 1993.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002834
Molecular Weight	~98kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/ptpn11-t253m-q257l-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73829