

PTPN13 (FAP-1) Recombinant Protein | PTPN13 recombinant protein

PTPN13 (FAP-1), Active

CATALOG # AAA73831	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PTPN13 (FAP-1); Active; PTP-BAS; PNP1; FAP-1; PTP1E; PTPL1; PTPLE; PTP-BL; DKFZp686J1497; PTPN13 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 50mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 30% glycerol.
Applicable Applications for PTPN13 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 Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPN13 recombinant protein	Recombinant human PTPN13 (2169-2485) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_080683. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN13 is a large protein that possesses a PTP domain at C-terminus, and multiple noncatalytic domains, which include a domain with similarity to band 4.1 superfamily of cytoskeletal-associated proteins, a region consisting of five PDZ domains, and a leucine zipper motif (1). PTPN13 binds to a negative regulatory domain in Fas that inhibits Fas-induced apoptosis (2).
Product Categories/Family for PTPN13 recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; JAK/STAT Pathway; Metabolic Disorder; Phosphatases; WNT Signaling
References	1. Saras, J. et al: Cloning and characterization of PTPL1, a protein tyrosine phosphatase with similarities to cytoskeletal-associated proteins. J. Biol. Chem. 269: 24082-24089, 1994. 2. Inazawa, J. et al: PTPN13, a Fas-associated protein tyrosine phosphatase, is located on the long arm of chromosome 4 at band q21.3. Genomics 31: 240-242, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_080683
Molecular Weight	~61kDa

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/ptpn13-fap-1-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73831>