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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PTPN13 (Human) Recombinant Protein (Q01)

Catalog Number: H00005783-Q01

Regulation Status: For research use only (RUO)

Product Description: Human PTPN13 partial ORF (NP_006255, 66 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

FTDENISNQDLRAFTAPEVLQNQSLTSLSDVEKIHIIYSL
GMTLYWGADYEVPSQPIKLG DHLNSILLGMCEDVIYA
RVSVRTVLDACSAHIRNSNCAPSFSYVKHLVKL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.84

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 5783

Gene Symbol: PTPN13

Gene Alias: DKFZp686J1497, FAP-1, PNP1, PTP-BAS, PTP-BL, PTP1E, PTPL1, PTPLE

Gene Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth,

differentiation, mitotic cycle, and oncogenic transformation. This PTP is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and IkappaBalpha through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq]