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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PTPN12 (Human) Recombinant Protein (P01)

Catalog Number: H00005782-P01

Regulation Status: For research use only (RUO)

Product Description: Human PTPN12 full-length ORF (NP_002826.2, 1 a.a. - 780 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEQVEILRKFIQIRVQAMKSPDHNGEDNFARDFMRLRR
LSTKYRTEKIYPTATGEKEENVKKNRYKDILPFDHSRV
KLTLKTPSQSDYINANFIKGVYGPAYVATQGPLANT
VIDFWRMIWEYNVVIIMACREFEMGRKKCERYWPLY
GEDPITFAPFKISCEDEQARTDYFIRTLLEFQNESRRL
YQFHVYVNPDPDVPSSFDSDMISLMRKYQEHEDVP
ICIHCSAGCGRTGAICAIDYTWNLLKAGKIPEEFNVFNL
QEMRTQRHSAVQTKEQYELVHRAIAQLFEKQLQLYEI
HGAQKIADGVNEINTENMISSIEPEKQDSDPPPKPPRTR
SCLVEGDAKEEILQPPEHPVPPILTPSPPSAFPTVTTV
WQDNDRYHPKPVLMVSSSEQHSADLNRNYSKSTELP
GKNESTIEQIDKKLERNLSFEIKKVPVLEQEGPKSFDGNTL
LNRGHAIKIKSASPCIAKISKPQELSSDLNVGDTSQNS
CVDCSVTQSNKVSVTPPEESQNSDTPPRDRLPLDEK
GHVTWSFHGPENAIPIPLDSEGNSSDINQTRKTVSLT
PSPTTQVETPDLVDHNTSPLFRTPLSFTNPLHSDSDS
SDERNSDGAVTQNKTNISTASATVSAATSTESISTRKV
LPMSIARHNIAGTTHSGAEKDVDVSESDPPPLPERTPE
SFVLASEHNTVPRSEWSELQSERSEQKKSEGLITSE
NEKCDHPAGGIHYEMCIECPPTFSDKREQISENPTEAT
DIGFGNRCGKPKGPRDPPSEWT

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 114.5

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: 5782

Gene Symbol: PTPN12

Gene Alias: PTP-PEST, PTPG1

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 contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAKbeta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]