

Recombinant Human PTPN6 Protein

Catalog #	Source	Reactivity	Applications
CRP2183	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human PTPN6 Protein is produced by E. coli expression system and the target gene encoding Lys243-Ile541 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 25mM Tris-HCl, 2mM β-ME, 1mM EDTA, 1mM DTT, 20% Glycerol, pH 7.5.		
Gene Symbol	PTPN6		
Alternative Names	HCP; PTP1C; Tyrosine-protein phosphatase non-receptor type 6; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase 1C; PTP-1C; Protein-tyrosine phosphatase SHP-1; SH-PTP1		
Entrez Gene	5777 (Human)		
SwissProt	P29350 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MKAGFWEEFE SLQKQEVKNL HQRLEGQRPE NKGKNRYKNI LPFDHSRVIL QGRDSNIPGS DYINANYIKN QLLGPDENAK TYIASQGCL EATVNDFWQMA WQENSRVIVM TTREVEKGRN KCVPYWPEVG MQRAYGPYSV TNCGEHDTTE YKLRTLQVSP LDNGDLIREI WHYQYLSWPD HGVPSEPPGGV LSFLDQINQR QESLPHAGPI IVHCSAGIGR TGTIIVIDML MENISTKGLD CDIDIQKTIQ MVRAQRSGMV QTEAQYKFIY VAIAQFIETT KKKLEVLQSQ KGQSESEYGN I LEHHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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