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Product datasheet for AR50278PU-S

PTPN7 (1-360, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PTPN7 (1-360, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMVQAHG GRSRAQPLTL SLGAAMTQPP PEKTPAKKHV RLQERRGSNV ALMLDVRSLG AVEPICSVNT PREVTLHFLR TAGHPLTRWA LQRQPPSPKQ LEEEFLKIPS NFVSPEDLDI PGHASKDRYK TILPNPQSRV CLGRAQSQED GDYINANYIR GYDGKEKVYI ATQGPMPNTV SDFWEMVWQE EVSLIVMLTQ LREGKEKCVH YWPTEEETYG PFQIRIQDMK ECPEYTVRQL TIQYQEERRS VKHILFSAWP DHQTPESAGP LLRLVAEVEE SPETAAHPGP IVVHCSAGIG RTGCFIATRI GCQQLKARGE VDILGIVCQL RLDRGGMIQT AEQYQFLHHT LALYAGQLPE EPSP
Tag:	His-tag
Predicted MW:	43.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PTPN7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001186726
Locus ID:	5778
UniProt ID:	B4DZD9
Cytogenetics:	1q32.1
Synonyms:	BPTP-4; HEPTP; LC-PTP; LPTP; PTPNI

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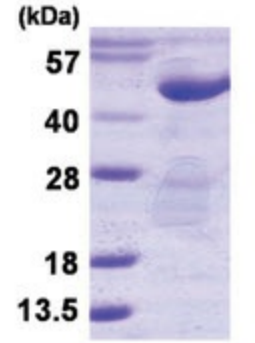
Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The non-catalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2010]

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: MAPK signaling pathway

Product images:



15% SDS-PAGE (3ug)