abcam

Product datasheet

Recombinant Human HePTP / PTPN7 protein ab124560

1 Image

Description

Product name	Recombinant Human HePTP / PTPN7 protein
Purity	> 90 % SDS-PAGE. Purified by using conventional chromatography.
Expression system	Escherichia coli
Accession	**Q5SXQ0**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
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
Predicted molecular weight	43 kDa including tags
Amino acids	1 to 360
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab124560** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF

Form	Liquid

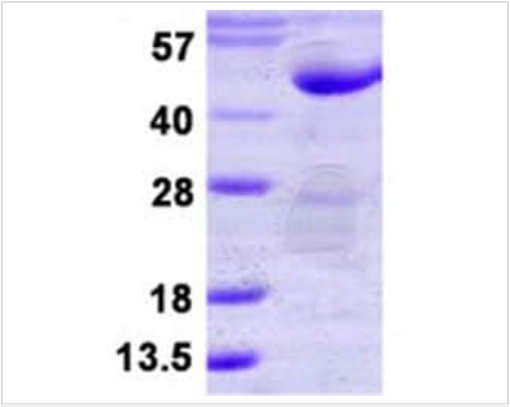
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Protein phosphatase that acts preferentially on tyrosine-phosphorylated MAPK1. Plays a role in the regulation of T and B-lymphocyte development and signal transduction.
Tissue specificity	Expressed exclusively in thymus and spleen.
Sequence similarities	Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Contains 1 tyrosine-protein phosphatase domain.
Post-translational modifications	Phosphorylated on serine residues in resting T-cells. Phosphorylation increases upon exposure to stimuli that increase intracellular cAMP levels. Phosphorylation leads to dissociation of bound MAP kinases.
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant Human HePTP / PTPN7 protein (ab124560)

15% SDS-PAGE (3 µg loaded)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

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