Phosphoethanolamine/phosphocholine phosphatase Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: PHOSPHO1, EC=3.1.3.75, PHOSPHO-1

Cat. No.:
RD172117100 (0.1 mg)

Description

Total 295 AA. MW: 31.3 kDa (calculated). UniProtKB acc.no. Q8TCT1. N-Terminal His-tag 14 AA (highlighted).

Research topic

Bone and cartilage metabolism

Amino Acid Sequence

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MRGSHHHHHH GMASMSGCFP VSGLRCLSRD GRMAAQGAPR FLLTFDFDET IVDENSDDSI VRAAPGQRLP ESLRATYREG
FYNEYMQRVF KYLGEQGVRP RDLSAIYEAI PLSPGMSDLL QFVAKQGACF EVILISDANT FGVESSLRAA GHHSLFRRIL
SNPSGPDARG LLALRPFHTH SCARCPANMC KHKVLSDYLR ERAHDGVHFE RLFYVGDGAN DFCPMGLLAG GDVAFPRRGY
PMHRLIQEAQ KAEPSSFRAS VVPWETAADV RLHLQQVLKS C
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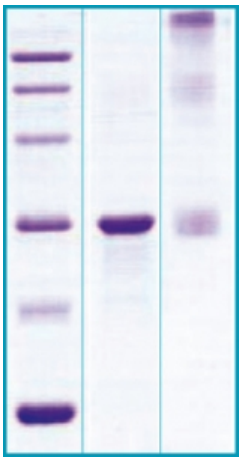
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



12% SDS-PAGE separation of Human PHOSPHO1
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 5µg/lane
3. non-reduced and non-heated sample, 5µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.03 M Acetate buffer, pH 4.0

Reconstitution

Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL to determine quantity of endotoxin.

Applications

Western blotting

Note

This product is intended for research use only.

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