

Human PHOSPHO1 Protein (His Tag)

Catalog Number: 13187-H07E



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

D11Moh36; Phospo1

Protein Construction:

A DNA sequence encoding the human PHOSPHO1 isoform 1 (Q8TCT1-1) (Met 1-Cys 267) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 92 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met 1

Molecular Mass:

The recombinant human PHOSPHO1 consisting of 282 amino acids and has a calculated molecular mass of 31.5 kDa. It migrates as an approximately 32 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, 10% glycerol, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

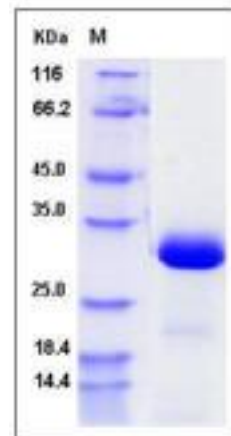
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Stewart AJ, *et al.* (2003) Comparative modelling of human PHOSPHO1 reveals a new group of phosphatases within the haloacid dehalogenase superfamily. *Protein Eng.* 16(12): 889-95.
2. Camps M, *et al.* (2000) Dual specificity phosphatases: a gene family for control of MAP kinase function. *FASEB J.* 14(1): 6-16.
3. Barford D. (1996) Molecular mechanisms of the protein serine/threonine phosphatases. *Trends Biochem Sci.* 21(11): 407-12.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>