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Datasheet for ABIN7550700

PHOSPHO1 Protein (AA 1-267) (His tag)

Overview

Quantity:	1 mg
Target:	PHOSPHO1
Protein Characteristics:	AA 1-267
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHOSPHO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PHOSPHO1 Protein expressed in mammalian cells.
Sequence:	MSGCFPVSGL RCLSRDGRMA AQGAPRLLT FDFDETIVDE NSDDSIVRAA PGQRLPESLR ATYREGFYNE YMQRVFKYLG EQGVRPRDLS AIYEAIP LSP GMSDLLQFVA KQGACFEVIL ISDANTFGVE SSLRAAGHHS LFRRILSNPS GPDARGLLAL RPFHTHSCAR CPANMCKHKV LSDYLRERAH DGVHFERLFY VGDGANDFCP MGLLAGGDVA FPRRGYPMHR LIQEAQKAEP SSFRASVVPW ETAADVRLHL QQVLKSC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PHOSPHO1
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Alternative Name:	PHOSPHO1 (PHOSPHO1 Products)
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Background:	Phosphoethanolamine/phosphocholine phosphatase (EC 3.1.3.75),FUNCTION: Phosphatase that has a high activity toward phosphoethanolamine (PEA) and phosphocholine (PCho) (PubMed:15175005). Involved in the generation of inorganic phosphate for bone mineralization (By similarity). Acts in a non-redundant manner with PHOSPHO1 in skeletal mineralization: while PHOSPHO1 mediates the initiation of hydroxyapatite crystallization in the matrix vesicles (MVs), ALPL/TNAP catalyzes the spread of hydroxyapatite crystallization in the extracellular matrix (By similarity). {ECO:0000250 UniProtKB:Q8R2H9, ECO:0000269 PubMed:15175005}.
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Molecular Weight:	29.7 kDa
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UniProt:	Q8TCT1
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months