

Datasheet for ABIN7561816
PPM1D Protein (AA 1-598) (His tag)



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Overview

Quantity:	1 mg
Target:	PPM1D
Protein Characteristics:	AA 1-598
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPM1D protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Ppm1d Protein expressed in mammalien cells.
Sequence:	<p>MAGLYSLGVS VFSDQGGRKY MEDVTQIVVE PEPAAEDKPA PVPRRALGLP ATPTLAGVGP SEKGPAAARD PAPDAAASLP AGRCCRRRSS VAFFAVCDGH GGREAAQFAR EHLWGFIKKQ KGFTSSEPAK VCAAIRKGFL ACHLAMWKKL AEWPKTMTGL PSTSGTTASV VIIRGMKMYV AHVGDSGVVL GIQDDPKDDF VRAVEVTQDH KPELPKERER IEGLGGSVMN KSGVNRVWWK RPRLTHSGPV RRSVIDQIP FLAVARALGD LWSYDFFSGK FVVSPEPDT S VHTLDPRKHK YIILGSDGLW NMVPPQDAIS MCQDQEEKKY LMGEQGQSCA KMLVNRALGR WRQRMLRADN TSAIVICISP EVDNQGNFTN EDELFLNLTD SPTYNSQETC VMTSSPSSTP PIKSPEEDAW PRLSSKDHIP ALVRSNAFSE KFLEVPAEIA RGNIQTVVMT SKDSETLEEN CPKALTIRIH DSLNTLSVG LIPTNSTNTI MDQKNLKMST PGQMKAQEVE RTPPANFKRT LEESNSGPLM KKHRRNGLSR SSGAQASSLP TASQRRHSVK LTLRRRLRGQ RKMGNPLLHQ HRKTVVCV</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the</p>

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:

- 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 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

Grade:

custom-made

Target Details

Target:

PPM1D

Alternative Name:

Ppm1d ([PPM1D Products](#))

Background:

Protein phosphatase 1D (EC 3.1.3.16) (Protein phosphatase 2C isoform delta) (PP2C-delta) (Protein phosphatase magnesium-dependent 1 delta) (p53-induced protein phosphatase 1),FUNCTION: Involved in the negative regulation of p53 expression. Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins. Mediates MAPK14 dephosphorylation and inactivation (By similarity). Is also an important regulator of global heterochromatin silencing and critical in maintaining genome integrity (PubMed:24135283). {ECO:0000250|UniProtKB:O15297, ECO:0000269|PubMed:24135283}.

Molecular Weight:

65.7 kDa

UniProt:

[Q9QZ67](#)

Target Details

Pathways: [p53 Signaling](#), [Cell Division Cycle](#)

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.
Restrictions:	For Research Use only

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