

Datasheet for ABIN7549508

## MPP2 Protein (AA 1-576) (His tag)



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### Overview

Quantity:	1 mg
Target:	MPP2
Protein Characteristics:	AA 1-576
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat MPP2 Protein expressed in mammalian cells.
Sequence:	<p>MPVAATNSET AMQQVLDNLG SLPSATGAAE LDLIFLRGIM ESPIVRSLAK VIMVLWFMQQ</p> <p>NVFVPMKYML KYFGAHERLE ETKLEAVRDN NLELVQEILR DLAHVAEQSS TAAELAHILQ</p> <p>EPHFQSLLET HDSVASKTYE TPPPSPGLDP TFSNQPVPPD AVRVMVGIRKT AGEHLGVTFR</p> <p>VEGGELVIAR ILHGGMVAQQ GLLHVGDIK EVNGQPVGSD PRALQELLRN ASGSVILKIL</p> <p>PSYQEPHLPR QVFVKCHFDFY DPARDSLIPC KEAGLRFNAG DLLQIVNQDD ANWWQACHVE</p> <p>GGSAGLIPSQ LLEEKRAKAFV KRDLELTPNS GTLCGSLSGK KKKRMMYLTT KNAEFDRHEL</p> <p>LIYEEVARMP PFRRTKTLVLI GAQGVGRRSL KNKLIMWDPD RYGTTPPYTS RRPKDSEREG</p> <p>QGYSFVSRGE MEADVRAGRY LEHGEYEGNL YGTRIDSIRG VVAAGKVCVL DVNPQAVKVL</p> <p>RTAEFVPYVV FIEAPDFETL RAMNRAALES GISTKQLTEA DLRRRTVEESS RIQRGYGHYF</p> <p>DLCLVNSNLE RTFRELQTAM EKLRTPEQWV PVSQWVY <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MPP2
Alternative Name:	MPP2 ( <a href="#">MPP2 Products</a> )
Background:	<p>MAGUK p55 subfamily member 2 (Discs large homolog 2) (Protein MPP2),FUNCTION: Postsynaptic MAGUK scaffold protein that links CADM1 cell adhesion molecules to core components of the postsynaptic density (By similarity). In CA1 pyramidal neurons, required for synaptic KCNN2-containing channel function and long-term potentiation expression (By similarity). Seems to negatively regulate SRC function in epithelial cells (PubMed:19665017). {ECO:0000250 UniProtKB:D3ZAA9, ECO:0000250 UniProtKB:Q9WV34, ECO:0000269 PubMed:19665017}.</p>
Molecular Weight:	64.6 kDa
UniProt:	<a href="#">Q14168</a>

## 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