

Datasheet for ABIN7558307

MCPH1 Protein (AA 1-822) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MCPH1
Protein Characteristics:	AA 1-822
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCPH1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mcph1 Protein expressed in mammalian cells.
Sequence:	<p>MEASGGVGGA FLKDVVAYVE VWSSKGTENY SRTFAKQLED MGATVSKTLN KQVTHVIFKD</p> <p>GYQSTWDKAQ KTGAKLVSVL WVEKCRMAGA LVDESLFAV NTDEHLPNLS RKKHKCMQPK</p> <p>DFILKTPEND KRLQKKFEKM AEELQRQKAA LDDDPVLLF EPRSLVYSS PVNVMKRRLQ</p> <p>DMKEKRENLS PTSSQMLES QQNPCVSLFE TSLNISHQPL SDESFAFGS HSSFGDSCGD</p> <p>QERKLGRSAN EMTTTCPS PVLRASSFY SASPNHLRQP RPQKAPDSPS KESINCQKDA</p> <p>TGAVADSERK QAAGVSQGV DEKLCLSPM SIEEHQVRL GPKNSSAKRK RAADLGSSPK</p> <p>GKLKKRYKRK SALAIQLFKS DQSPSTIRL IPGTPDVEAS SYEDYFSPDN LKERNSERLP</p> <p>PEAQLASPS LFHCRGLSKW ERRNMLEMCD FTCIGEKHRS ISSISDLISK SASSLEKPVK</p> <p>EEVNTASTCL LLVETSANDS PGLCSQPGPQ LRDDTGPEGS SHPDTLSSSA HHITPLKGN</p> <p>TETRDPGDGK GSPKEGSTPP ASASPEDEVH ICNLSLGEDC NVEKSVEEKE NIATGYSESV</p> <p>KNGPGRPDPS DSSCTGLVRP QQKPKKSEKE EKPTRTLVMT SMPSEKQTLI IQVSTLKG</p>

SFAPEVCETT THVLVGKSAR TLNVLMGIAR GCWILSYEWV LLSLELGHWI SEEPFELSET
FPAAPICRLE RHLSTQQYQG TLFANQPKMF IAPASSPPRA KLCELVLLCG GQVSPAPQLA
SLIIGPYKGK KKARIQYLSE KWLDSITQH KICDFNNYQL LQ **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:	<p>Key Benefits:</p> <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 transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MCPH1
Alternative Name:	Mcp1 (MCPH1 Products)
Background:	Microcephalin,FUNCTION: Implicated in chromosome condensation and DNA damage induced cellular responses. May play a role in neurogenesis and regulation of the size of the cerebral cortex (By similarity). {ECO:0000250}.
Molecular Weight:	90.4 kDa
UniProt:	Q7TT79
Pathways:	Stem Cell Maintenance

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