

Datasheet for ABIN7553570
MCC Protein (AA 1-829) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MCC
Protein Characteristics:	AA 1-829
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCC protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MCC Protein expressed in mammalian cells.
Sequence:	<p>MNSGVAMKYG NDSSAELSEL HSAALASLKG DIVELNKRLQ QTERERDLLE KKLAKAQCEQ</p> <p>SHLMREHEDV QERTTLRYEE RITELHSVIA ELNKKIDRLQ GTTIREEDEY SELRSELSQS</p> <p>QHEVNEDSRS MDQDQTSVSI PENQSTMVTA DMDNCSDLNS ELQRVLTGLE NVVCGRKKSS</p> <p>CSLSVAEVDK HIEQLTTASE HCDLAIKTVE EIEGVLGRDL YPNLAEERSR WEKELAGLRE</p> <p>ENESLTAMLC SKEEELNRTK ATMNAIREER DRLRRRVREL QTRLQSVQAT GPSSPGRLTS</p> <p>TNRPINPSTG ELSTSSSSND IPIAKIAERV KLSKTRSESS SSDRPVLGSE ISSIGVSSSV</p> <p>AEHLAHSQD CSNIQEIFQT LYSHGSAISE SKIREFEVET ERLNSRIEHL KSQNDLLTIT</p> <p>LEECKSNAER MSMLVGKYES NATALRLALQ YSEQCIEAYE LLLALAESEQ SLILGQFRAA</p> <p>GVGSSPGDQS GDENITQMLK RAHDCRKTAE NAAKALLMKL DGSCGGAFV AGCSVQPWES</p> <p>LSSNSHTSTT SSTASSCDTE FTKEDEQLRK DYIQLKNDR AAVKLTMLEL ESIHIDPLSY</p> <p>DVKPRGDSQR LDLENAVLMQ ELMAMKEEMA ELKAQLYLLE KEKKALELKL STREAQEQAY</p>

LVHIEHLKSE VEEQKEQRM R SLSSTSSGSK DKPGKECADA ASPALSLAEL RTTCSENELA
AEFTNAIRRE KKLKARVQEL VSALERLTKS SEIRHQQSAE FVNDLK RANS NLVAAYEKAK
KKHQNKLLKL ESQMMAMVER HETQVRMLKQ RIALLEEENS RPHTNETSL **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>
------------------	---

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

Target Details

Target:	MCC
Alternative Name:	MCC (MCC Products)
Background:	Colorectal mutant cancer protein (Protein MCC),FUNCTION: Candidate for the putative colorectal tumor suppressor gene located at 5q21. Suppresses cell proliferation and the Wnt/b-catenin pathway in colorectal cancer cells. Inhibits DNA binding of b-catenin/TCF/LEF transcription factors. Involved in cell migration independently of RAC1, CDC42 and p21-activated kinase (PAK) activation (PubMed:18591935, PubMed:19555689, PubMed:22480440). Represses the beta-catenin pathway (canonical Wnt signaling pathway) in a CCAR2-dependent manner by sequestering CCAR2 to the cytoplasm, thereby impairing its ability to inhibit SIRT1

Target Details

	which is involved in the deacetylation and negative regulation of beta-catenin (CTNB1) transcriptional activity (PubMed:24824780). {ECO:0000269 PubMed:18591935, ECO:0000269 PubMed:19555689, ECO:0000269 PubMed:22480440, ECO:0000269 PubMed:24824780}.
Molecular Weight:	93.0 kDa
UniProt:	P23508

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