

Datasheet for ABIN7554538

MCTP1 Protein (AA 1-999) (His tag)



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Overview

Quantity:	1 mg
Target:	MCTP1
Protein Characteristics:	AA 1-999
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCTP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MCTP1 Protein expressed in mammalian cells.
Sequence:	<p>MEPRAAAAGE PEPPAASSSF QARLWKNLQL GVGRSKGGGG GRAGGPERRT ADTPSPSPPP</p> <p>PVGTGNAPAR GSGAGSRWSG FKKRKQVLDR VFSSSQPNLC CSSPELEPG GAGRAEQGST</p> <p>LRRRIREHLL PAVKGPAAS GAAGGTPPGG RSPDSAPSSS SASSLSSSP QPPPRGDRAR</p> <p>DEGARRQGP AHLCCHKSSS LPGTACLEQL LEPPPPPAEP ARSPAESRAP ETGEEHGSSQ</p> <p>KIINTAGTSN AEVPLADPGM YQLDITLRRG QSLAARDRG TSDPYVKFKI GGKEVFRSKI</p> <p>IHKNLNPVWE EKACILVDHL REPLYIKVFD YDFGLQDDFM GSAFLDLTQL ELNRPTDVT</p> <p>TLKDPHYDPH DLGIILSVI LTPKEGESRD VTMLMRKSWK RSSKELSENE VVGSYFSVKS</p> <p>LFWRTGCRPA LPVLGFCRAE LQNPYCKNVQ FQTQSLRLSD LHRKSHLWRG IVSITLIEGR</p> <p>DLKAMDSNGL SDPYVKFRLG HQKYKSKIMP KTLNPQWREQ FDFHLYEERG GVIDITAWDK</p> <p>DAGKRDDFIG RCQVDLSALS REQTHKLELQ LEEGEGHLVL LVTLTASATV SISDLSVNSL</p> <p>EDQKEREIIL KRYSPLRIFH NLKDVGFQV KVIRAEGLMA ADVTGKSDPF CVVELNNDRL</p>

LTHTVYKNLN PEWNKVFTFN IKDIHSVLEV TVYDEDRDRS ADFLGKVAIP LLSIQNGEQK
AYVLKNKQLT GPTKGVILE IDVIFNAVKA SLRTLIPKEQ KYIEEENRLS KQLLLRNfir
MKRCVMVLVN AAYYVNSCFD WDSPPRSLAA FVLFLFVWN FELYMIPLVL LLLLTWNYFL
IISGKDNQR DTVVEDMLED EEEEDDKDDK DSEKKGfINK IYAIQEVcVS VQNILDEVAS
FGERIKNTFN WTVPFSLWLA IVALCVFTAI LYCIPLRYIV LVWGINKFTK KLRSPYAIDN
NELLDFLSRV PSDVQVVQYQ ELKPDPShSP YKRKKNNLG **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:	MCTP1
Alternative Name:	MCTP1 (MCTP1 Products)
Background:	Multiple C2 and transmembrane domain-containing protein 1,FUNCTION: Calcium sensor which is essential for the stabilization of normal baseline neurotransmitter release and for the induction and long-term maintenance of presynaptic homeostatic plasticity. {ECO:0000250 UniProtKB:A1ZBD6}.

Target Details

Molecular Weight: 111.6 kDa

UniProt: [Q6DN14](#)

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