Datasheet for ABIN7559350

MBTPS2 Protein (AA 1-515) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	MBTPS2
Protein Characteristics:	AA 1-515
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBTPS2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mbtps2 Protein expressed in mammalien cells.
Sequence:	MIPVSLLVVV VGGWTAVYLA DLVLKSSVYF KHSYEDWLEN NGLSISPFHI RWQTSIFNRA FYSWGRRKAR MLYQWFNFGM VFGVIAMFSS FFLLGKTLMQ TLAQMMADSP SPYSSSSSSS SSSSSSSSSS SSLHNEQVLQ VVVPGINLPV NQLTYFFAAV LISGVVHEIG HGIAAIREQV RFNGFGIFLF IIYPGAFVDL FTTHLQLISP VQQLRIFCAG IWHNFVLALL GILALVLLPV ILLPFYYTGV GVLITEVAED SPAIGPRGLF VGDLVTHLQD CPVTNVQDWN ECLDTIAYEP QIGYCISAST LQQLSFPVRA YKRLDGSTEC CNNHSLTDVC FSYRNNFNKR LHTCLPARKA VEATQVCRSN KDCKSGASSS FCIVPSLETH TRLIKVKHPP QIDMLYVGHP LHLHYTVSIT SFIPRFNFLS IDLPVIVETF VKYLISLSGA LAIVNAVPCF ALDGQWILNS FLDATLTSVI GDNDVKDLIG FFILLGGSVL LAANVTLGLW MVTAR **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	MBTPS2
Alternative Name:	Mbtps2 (MBTPS2 Products)
Background:	Membrane-bound transcription factor site-2 protease (EC 3.4.24.85) (Endopeptidase S2P),FUNCTION: Zinc metalloprotease that mediates intramembrane proteolysis of proteins such as ATF6, ATF6B, SREBF1/SREBP1 and SREBF2/SREBP2. Catalyzes the second step in the proteolytic activation of the sterol regulatory element-binding proteins (SREBPs) SREBF1/SREBP1 and SREBF2/SREBP2: cleaves SREBPs within the first transmembrane segment, thereby releasing the N-terminal segment with a portion of the transmembrane segment attached. Mature N-terminal SREBP fragments shuttle to the nucleus and activate gene transcription. Also mediates the second step in the proteolytic activation of the cyclic AMP-dependent transcription factor ATF-6 (ATF6 and ATF6B). Involved in intramembrane proteolysis during bone formation. In astrocytes and osteoblasts, upon DNA damage and ER stress, mediates the second step of the regulated intramembrane proteolytic activation of the transcription factor CREB3L1, leading to the inhibition of cell-cycle progression. {ECO:0000250|UniProtKB:O43462}.

Target Details

Molecular Weight:	57.0 kDa
UniProt:	Q8CHX6
Pathways:	ER-Nucleus Signaling

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

