

Datasheet for ABIN7549323

MC3R Protein (AA 1-323) (His tag)



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Overview

Quantity:	1 mg
Target:	MC3R
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MC3R protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MC3R Protein expressed in mammalian cells.
Sequence:	MNASCCCLPSV QPTLPNGSEH LQAPFFSNQS SSAFCEQVFI KPEVFLSLGI VSLLLENILVI LAVVRNGNLH SPMYFFLCSL AVADMLVSVS NALETIMIAI VHSDYLT FED QFIQHMDNIF DSMICISLVA SICNLLAIAV DRYVTIFYAL RYHSIMTVRK ALTLIVAIWV CCGVCVVFI VYSESKMVIV CLITMFFAMM LLMGTLYVHM FLFARLHVKR IAALPPADGV APQQHSCMKG AVTITILLGV FIFCWAPFFL HVLII TCPT NPYCICYTAH FNTYLVLMC NSVIDPLIYA FRSLELRNTE REILCGCNGM NLG 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:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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).

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
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Grade:	custom-made
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Target Details

Target:	MC3R
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Alternative Name:	MC3R (MC3R Products)
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Background:	Melanocortin receptor 3 (MC3-R),FUNCTION: Receptor for MSH (alpha, beta and gamma) and ACTH. This receptor is mediated by G proteins which activate adenylate cyclase. Required for expression of anticipatory patterns of activity and wakefulness during periods of limited nutrient availability and for the normal regulation of circadian clock activity in the brain. {ECO:0000250 UniProtKB:P33033}.
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Molecular Weight:	36.0 kDa
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UniProt:	P41968
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Pathways:	cAMP Metabolic Process
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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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Application Details

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