Datasheet for ABIN7559773

ACMSD Protein (AA 1-336) (His tag)

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Overview

Quantity:	1 mg
Target:	ACMSD
Protein Characteristics:	AA 1-336
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACMSD protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Acmsd Protein expressed in mammalien cells.
Sequence:	MKIDIHTHIL PKEWPDLEKR FGYGGWVQLQ QQGKGEAKMI KDGKLFRVIQ QNCWDPEVRI REMNQKGVTV QALSTVPVMF SYWAKPKDTL ELCQFLNNDL AATVARYPRR FVGLGTLPMQ APELAVEEME RCVKALGFPG IQIGSHINTW DLNDPELFPI YAAAERLNCS LFVHPWDMQM DGRMAKYWLP WLVGMPSETT MAICSMIMGG VFEKFPKLKV CFAHGGGAFP FTIGRIAHGF NMRPDLCAQD NPSDPRKYLG SFYTDSLVHD PLSLKLLTDV IGKDKVMLGT DYPFPLGEQE PGKLIESMAE FDEETKDKLT AGNALAFLGL ERKLFE **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:

Product Details

- 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:	ACMSD
Alternative Name:	Acmsd (ACMSD Products)
Background:	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase (EC 4.1.1.45) (Picolinate carboxylase),FUNCTION: Converts alpha-amino-beta-carboxymuconate-epsilon-semialdehyde (ACMS) to alpha-aminomuconate semialdehyde (AMS). ACMS can be converted non-enzymatically to quinolate (QA), a key precursor of NAD, and a potent endogenous excitotoxin of neuronal cells which is implicated in the pathogenesis of various neurodegenerative disorders. In the presence of ACMSD, ACMS is converted to AMS, a benign catabolite. ACMSD ultimately controls the metabolic fate of tryptophan catabolism along the kynurenine pathway.
Molecular Weight:	38.0 kDa
UniProt:	Q8R519

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

Application Details

	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