

Datasheet for ABIN7551944

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



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### Overview

Quantity:	1 mg
Target:	ACMSD
Protein Characteristics:	AA 1-336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACMSD protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant ACMSD Protein expressed in mammalian cells.
Sequence:	<p>MKIDIHSHIL PKEWPD LKKR FGYGGWVQLQ HHSKG EAKLL KDGKVFRVVR ENCWDPEVRI  REMDQKGVTV QALSTVPVMF SYWAKPEDTL NLCQLLNNDL ASTVSYPRR FVGLGTLP MQ  APELAVKEME RCVKELGFPG VQIGTHVNEW DLNAQELFPV YAAAERLKCS L FVHPWDMQM  DGRMAKYWLP WLVGMPAETT IAICSMIMGG VFEKFPKLKV CFAHGGGAFP FTVGRISHGF  SMRPDLCAQD NPMNPKKYL G SFYTDALVHD PLSLKL L TDV IGKDKVILGT DYPFPLGELE  PGKLIESMEE FDEETKNKLK AGNALAFLGL ERKQFE</p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- 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).

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	ACMSD
Alternative Name:	ACMSD ( <a href="#">ACMSD Products</a> )
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. {ECO:0000269 PubMed:19843166}.
Molecular Weight:	38.0 kDa
UniProt:	<a href="#">Q8TDX5</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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