

Datasheet for ABIN7557459

## MCART1 Protein (AA 1-298) (His tag)



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### Overview

Quantity:	1 mg
Target:	MCART1
Protein Characteristics:	AA 1-298
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCART1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Slc25a51 Protein expressed in mammalian cells.
Sequence:	<p>MMDSEAHEKR PPMLTSSNQD LSPHIAGVGD MKHYLCGYCA AFNNVAITYP VQKILFRQQL  YGIKTRDAVL QLRKDGFRNL YRGILPPLMQ KTTTLALMFG LYEDLSRLLH KHVSSAPEFA  TRSVAALLAG TTEAILTPFE RVQTLLQDHK HHDKFTNTYQ AFRALRCHGI AEYYRGMVPI  LFRNGFGNVL FFGLRGPIKE SLPTATTYSA HLVNDFICGG VLGAVLGFLS FPINVVKARI  QSQIGGPFLS LPMVFKTIWI ERDRKLINLF RGAHLNYHRS LISWGIINAT YEFLLKIV</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>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>
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## Product Details

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- 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

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Target:	MCART1
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Alternative Name:	Slc25a51 ( <a href="#">MCART1 Products</a> )
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Background:	Mitochondrial nicotinamide adenine dinucleotide transporter SLC25A51 (Mitochondrial NAD(+) transporter SLC25A51) (Mitochondrial carrier triple repeat protein 1) (Solute carrier family 25 member 51),FUNCTION: Mitochondrial membrane carrier protein that mediates the import of NAD(+) into mitochondria. Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration. Compared to SLC25A52, SLC25A51-mediated transport is essential for the import of NAD(+) in mitochondria. The transport mechanism, uniport or antiport, its electrogenicity and substrate selectivity, remain to be elucidated. {ECO:0000250 UniProtKB:Q9H1U9}.
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Molecular Weight:	33.7 kDa
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UniProt:	<a href="#">Q5HZI9</a>
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## Application Details

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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