

Datasheet for ABIN7549308
MAT1A Protein (AA 1-395) (His tag)



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Overview

Quantity:	1 mg
Target:	MAT1A
Protein Characteristics:	AA 1-395
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAT1A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MAT1A Protein expressed in mammalian cells.
Sequence:	MNGPVDGLCD HSLSEGVFMF TSESVGEGHP DKICDQISDA VLDAHLKQDP NAKVACETVC KTGMVLLCGE ITSMAMVDYQ RVVVRTIKHI GYDDSAKGFDFKTCNLVAL EQQSPDIAQC VHLDRNEEDV GAGDQGLMFG YATDETEECM PLTIILAHKL NARMADLRRS GLLPWLRPDS KTQVTVQYMQ DNGAVIPVRI HTIVISVQHN EDITLEEMRR ALKEQVIRAV VPAKYLDEDT VYHLQPSGRF VIGGPQGDAG VTGRKIIVDT YGGWGAHGGG AFSGKDYTKV DRSAAYAARW VAKSLVKAGL CRRVLVQVSY AIGVAEPLSI SIFTYGTSQK TERELLDVVH KNFDLRPGVI VRDLDLKKPI YQKTACYGHF GRSEFPWEVP RKLVF 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 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:	MAT1A
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Alternative Name:	MAT1A (MAT1A Products)
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Background:	S-adenosylmethionine synthase isoform type-1 (AdoMet synthase 1) (EC 2.5.1.6) (Methionine adenosyltransferase 1) (MAT 1) (Methionine adenosyltransferase I/III) (MAT-I/III),FUNCTION: Catalyzes the formation of S-adenosylmethionine from methionine and ATP. The reaction comprises two steps that are both catalyzed by the same enzyme: formation of S-adenosylmethionine (AdoMet) and triphosphate, and subsequent hydrolysis of the triphosphate. {ECO:0000269 PubMed:10677294}.
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Molecular Weight:	43.6 kDa
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UniProt:	Q00266
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Pathways:	Mitotic G1-G1/S Phases , M Phase , Ribonucleoside Biosynthetic Process , Methionine Biosynthetic 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
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Application Details

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
