

Datasheet for ABIN7559393

HMGCS1 Protein (AA 1-520) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HMGCS1
Protein Characteristics:	AA 1-520
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Hmgcs1 Protein expressed in mammalian cells.
Sequence:	<p>MPGSLPLNAE ACWPKDVGIV ALEIYFPSQY VDQAELEKYD GVDAGKYTIG LGQARMGFCT DREDINSLCL TVVQKLMEH SLSYDCIGRL EVGTETIIDK SKSVKSNLMQ LFEESGNTDI EGIDTTNACY GGTAAVFNAV NWVESSWDG RYALVVAGDI AIYATGNARP TGGVGAVALL IGPNAPLIFD RGLRGTHMQH AYDFYKPDML SEYPVVDGKL SIQCYLSALD RCYSVYRKKI RAQWQKEGKD KDFTLNDFGF MIFHSPYCKL VQKSLARMFL NDFLNDQNRD KNSIYSGLEA FGDVKLEDY FDRDVEKAFM KASSELFNQK TKASLLVSNQ NGNMYTSSVY GSLASVLAQY SPQQLAGKRV GVFSYGSLA ATLYSLKVTQ DATPGSALDK ITASLCDLKS RLDSRTCVP DVFAENMKLR EDTHHLANYI PQCSIDSLFE GTWYLVVRVDE KHRRTYARRP FTNDHSLDEG MGLVHSNTAT EHIPSAPKKV PRLPATSAES ESAVISNGEH</p> <p>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.</p>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	HMGCS1
Alternative Name:	Hmgcs1 (HMGCS1 Products)
Background:	Hydroxymethylglutaryl-CoA synthase, cytoplasmic (HMG-CoA synthase) (EC 2.3.3.10) (3-hydroxy-3-methylglutaryl coenzyme A synthase),FUNCTION: Catalyzes the condensation of acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is converted by HMG-CoA reductase (HMGCR) into mevalonate, a precursor for cholesterol synthesis. {ECO:0000250 UniProtKB:P13704}.
Molecular Weight:	57.6 kDa
UniProt:	Q8JZK9
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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