

Datasheet for ABIN7549784

CMAS Protein (AA 1-434) (His tag)



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Overview

Quantity:	1 mg
Target:	CMAS
Protein Characteristics:	AA 1-434
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CMAS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CMAS Protein expressed in mammalian cells.
Sequence:	<p>MDSVEKGAAT SVSNPRGRPS RGRPPKLQRN SRGGQGRGVE KPPHLAALIL ARGGSKGIPL KNIKHLAGVP LIGWVLRAAL DSGAFQSVWV STDHDEIENV AKQFGAQVHR RSSEVSKDSS TSLDAIIEFL NYHNEVDIVG NIQATSPCLH PTDLQKVAEM IREEGYDSVF SVRRHQFRW SEIQKGVREV TEPLNLNPAK RPRRQDWDGE LYENGsfyfa KRHLIEMGYL QGGKMAYYEM RAEHSVDIDV DIDWPiAEQR VLRYGYFGKE KLKEIKLLVC NIDGCLTNGH IYVSGDQKEI ISYDVKDAIG ISLLKKSGIE VRLISERACS KQTLSSLKLD CKMEVSVSDK LAVVDEWRKE MGLCWKEVAY LGNEVSDEEC LKRVGLSGAP ADACSTAQKA VGYICKCNGG RGAIREFAEH ICLLMEKVNN SCQK 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>
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.

Product Details

Characteristics:	<div>Key Benefits:</div> <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>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CMAS
Alternative Name:	CMAS (CMAS Products)
Background:	N-acylneuraminate cytidyltransferase (EC 2.7.7.43) (CMP-N-acetylneuraminic acid synthase) (CMP-NeuNAc synthase),FUNCTION: Catalyzes the activation of N-acetylneuraminic acid (NeuNAc) to cytidine 5'-monophosphate N-acetylneuraminic acid (CMP-NeuNAc), a substrate required for the addition of sialic acid. Has some activity toward NeuNAc, N-glycolylneuraminic acid (Neu5Gc) or 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN).
Molecular Weight:	48.4 kDa
UniProt:	Q8NFW8

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.
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