

Product datasheet

Recombinant Human CMAS protein ab163270

1 Image

Description

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<b>Product name</b>	Recombinant Human CMAS protein
<b>Expression system</b>	Wheat germ
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MDSVEKGAATSVSNPRGRPSRGRPPKLQRNSRGGQGR            GVEKPPHLAALIL            ARGGSKGIPLKNIKHLAGVPLIGWVLRALD SGAFQSVWV            STDHDEIENV            AKQFGAQVHRRSSEVSKDSSTSLDAIIEFLNYHNEVDIVGN            IQATSPCLH            PTDLQKVAEMIREEGYDSVFSVRRHQFRWSEIQKGVRE            VTEPLNLNPAK            RPRRQDWDGELYENG SFYFAKRHLIEMGYLQGGKMAYYE            MRAEHSVDIDV DIDWP IAEQ R VLR</p>
<b>Amino acids</b>	1 to 263
<b>Tags</b>	GST tag N-Terminus

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab163270** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot
	ELISA
<b>Form</b>	Liquid
<b>Additional notes</b>	

Preparation and Storage

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## Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### 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).

### Tissue specificity

Ubiquitously expressed. Expressed in pancreas, kidney, liver, skeletal muscle, lung, placenta, brain, heart, colon, PBL, small intestine, ovary, testis, prostate, thymus and spleen.

### Pathway

Amino-sugar metabolism; N-acetylneuraminate metabolism.

### Sequence similarities

Belongs to the CMP-NeuNAc synthase family.

### Domain

The BC2 (basic cluster 2) motif is necessary and sufficient for the nuclear localization and contains the catalytic active site. The localization in the nucleus is however not required for the enzyme activity.

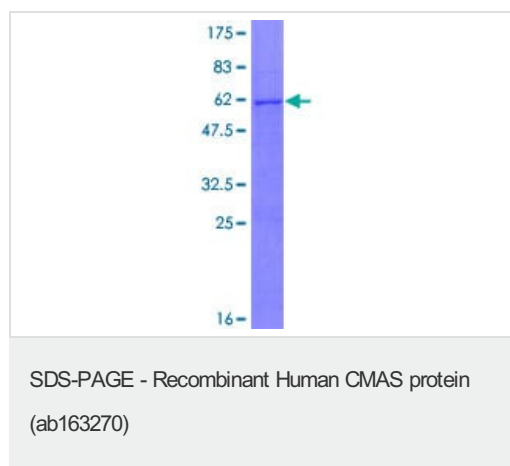
### Cellular localization

Nucleus.

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## Images

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ab163270 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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