

Recombinant Human CMAS protein ab163270

1 Image

Description

Product name	Recombinant Human CMAS protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDSVEKGAATSVSNPRGRPSRGRPPKLQRNSRGGQGR GVEKPPHLAALIL ARGGSKGIPLKNIKHLAGVPLIGWVLRAALDSGAFQSVWV STDHDEIENV AKQFGAQVHRRSSEVSKDSSTSLDAIIEFLNYHNEVDIVGN IQATSPCLH PTDLQKVAEMIREEGYDSVFSVRRHQFRWSEIQKGVRE VTEPLNLNPAK RPRRQDWDGELYENGsfYFAKRHLIEMGYLQGGKMAYYE MRAEHSVDIDV DIDWPiAEQRVLR
Amino acids	1 to 263
Tags	GST tag N-Terminus

Specifications

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.

Applications	Western blot ELISA
Form	Liquid
Additional notes	

Preparation and Storage

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

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.

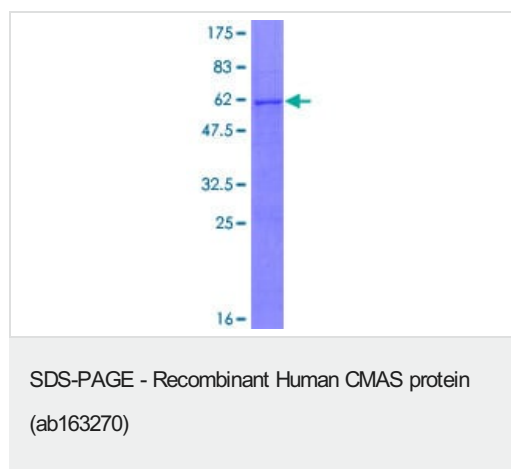
Domain

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.

Images



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"

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