

Recombinant Human CMAS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CMAS-3557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CMAS MS Standard C13 and N15-labeled recombinant protein (NP_061156) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that converts N-acetylneuraminic acid (NeuNAc) to cytidine 5'-monophosphate N-acetylneuraminic acid (CMP-NeuNAc). This process is important in the formation of sialylated glycoprotein and glycolipids. This modification plays a role in cell-cell communications and immune responses. Alternative splicing results in multiple transcript variants.
Molecular Mass	48.2 kDa
AA Sequence	MDSVEKGAATSVSNPRGRPSRGRPPKLQRNSRGGQGRGVEKPPHLAALILARGGS KGIPLKNIKHLAGVPLIGWVLRAALDSGAFQSVVWSTDHDEIENVAKQFGAQVHRRS SEVSKDSSTSLDAIIEFLNYHNEVDIVGNIQATSPCLHPTDLQKVAEMIREEGYDSVFS VVRRHQFRWSEIQKGVREVTEPLNLPKRPRRQDWDGELYENGsfYFAKRHLIE MGYLQGGKMAYYEMRAEHSVDIDVDIDWPPIAEQRLRYGYFGKEKLKEIKLLVCNID GCLTNGHIYVSGDQKEIISYDVKDAIGISLLKKSGIEVRLISERACSKQTLSSLKLDCKM EVSVSDKLAVVDEWRKEMGLCWKEVAYLGNVSDEECLKRVGLSGAPADACSTAQ KAVGYICKCNGGRGAIREFAEHICLLMEKVNNSCQKTRTRPLEQKLISEEDLAANDIL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CMAS cytidine monophosphate N-acetylneuraminic acid synthetase [Homo sapiens (human)]
Official Symbol	CMAS
Synonyms	CMAS; cytidine monophosphate N-acetylneuraminic acid synthetase; N-acylneuraminate cytidyltransferase; CMP Neu5Ac synthetase; CMP-NeuNAc synthase; CMP-Neu5Ac synthetase; CMP-NeuNAc synthetase; CMP-N-acetylneuraminic acid synthase; CMP-N-acetylneuraminic acid synthetase; cytidine 5-monophosphate N-acetylneuraminic acid synthetase;
Gene ID	55907
mRNA Refseq	NM_018686
Protein Refseq	NP_061156

 Tel: 1-631-559-9269 1-516-512-3133

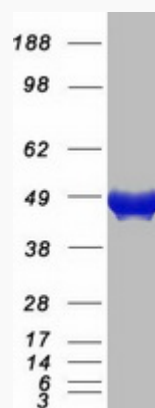
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 603316

UniProt ID Q8NFW8

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA