

Product datasheet for **TP323608M**

CMAS (NM_018686) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytidine monophosphate N-acetylneuraminic acid synthetase (CMAS), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223608 representing NM_018686 Red =Cloning site Green =Tags(s)

MDSVEKGAATSVSNPRGRPSRGRPPKLQRNSRGGQGRGVEKPPHLAALILARGGSKGIPLKNIKHLAGVP
LIGWVLRALDSGAFQSVWVSTDHDEIENVAKQFGAQVHRRSSEVSKDSSTSLDAIIEFLNYHNEVDIVG
NIQATSPCLHPTDLQKVAEMIREEGYDSVFSVRRHQFRWSEIQKGVREVTEPLNLNPAKRPRRQDWDGE
LYENGsfYFAKRHLIEMGYLQGGKMAYYEMRAEHSVDIDVIDWPIAEQRLRYGYFGKEKLKEIKLLVC
NIDGCLTNGHIYVSGDQKEIISYDVKDAIGISLLKKSIEVRLISERACSKQTLSSLKLDCKMEVSVSDK
LAVVDEWRKEMGLCWKEVAYLGNEVSDEECLKRVGLSGAPADACSTAQKAVGYICKCNGGRGAIREFAEH
ICLLMEKVNNSCQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_061156](#)

Locus ID: 55907

UniProt ID: [Q8NFW8](#)

RefSeq Size: 1741

Cytogenetics: 12p12.1

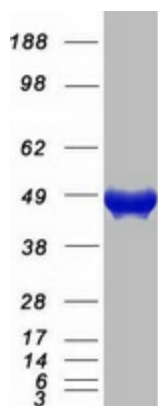
RefSeq ORF: 1302

Synonyms: CSS

Summary: 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. [provided by RefSeq, Feb 2016]

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CMAS protein (Cat# [TP323608]). The protein was produced from HEK293T cells transfected with CMAS cDNA clone (Cat# [RC223608]) using MegaTran 2.0 (Cat# [TT210002]).