

## Product datasheet for PH323608

### CMAS (NM\_018686) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CMAS MS Standard C13 and N15-labeled recombinant protein (NP_061156)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223608
Predicted MW:	48.2 kDa
Protein Sequence:	>RC223608 representing NM_018686 Red=Cloning site Green=Tags(s)

MDSVEKGAATSVSNPRGRPSRGRPPKLQRNSRGGQGRGVEKPPHLAALILARGGSKGIPLKNIKHLAGVPLIGWVLRRAALDSGAFQSVVWSTDHDEIENVAKQFGAQQVHRRSSEVSKDSSTSLDAIIEFLNYHNEVDIVGNIQATSPCLHPTDLQKVAEMIREEGYDSVFSVRRHQFRWSEIQKGVREVTEPLNLPKRPRRQDWDGELYENGFSYFAKRHLIEMGYLQGGKMAYYEMRAEHSVDIDVDIDWPIAEQRLRYGYFGKEKLEIKLLVCNIDGCLTNGHIYVSGDQKEIISYDVKDAIGISLLKKSIEVRLISERACSKQTLSSLKLDCKMEVSVSDKLAVVDEWRKEMGLCWKEVAYLGNESDEECLKRVGLSGAPADACSTAQKAVGYICKCNGGRGAIREFAEHICLLMEKVNNSCQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_061156</u>
RefSeq Size:	1741
RefSeq ORF:	1302
Synonyms:	CSS



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Locus ID: 55907

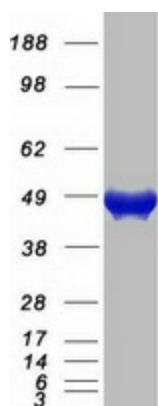
UniProt ID: [Q8NFW8](#)

Cytogenetics: 12p12.1

**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]).