



# Recombinant Human N-acylneuraminatase (CMAS)

<b>Product Code</b>	CSB-EP822785HU-B
<b>Abbreviation</b>	CMAS
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8NFW8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDSVEKGAAT SVSNPRGRPS RGRPPKLQRN SRGGQGRGVE KPPHLAALIL ARGGSKGIPL KNIKHLAGVP LIGWVLRAAL DSGAFQSVWV STDHDEIENV AKQFGAQVHR RSSEVSKDSS TSLDAIEFL NYHNEVDIVG NIQATSPCLH PTDLQKVAEM IREEGYDSVF SVVRRHQFRW SEIQKGVREV TEPLNLNPAK RPRRQDWDGE LYENGsfyfa KRHLIEMGYL QGGKMAYYEM RAEHSVDIDV DIDWPIAEQR VLRYGYFGKE KLKEIKLLVC NIDGCLTNGH IYVSGDQKEI ISYDVKDAIG ISLLKSGIE VRLISERACS KQTLSSLKLD CKMEVSVSDK LAVVDEWRKE MGLCWKEVAY LGNEVSDEEC LKRVGLSGAP ADACSTAQKA VGYICKCNGG RGAIREFAEH ICLLMEKVNN SCQK
<b>Source</b>	E.coli
<b>Target Names</b>	CMAS
<b>Protein Names</b>	Recommended name: N-acylneuraminatase cytidyltransferase EC= 2.7.7.43 Alternative name(s): CMP-N-acetylneuraminic acid synthase Short name= CMP-NeuNAc synthase
<b>Expression Region</b>	1-434
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	The enzyme encoded by this gene catalyzes the activation of Neu5Ac to Cytidine 5-prime-monophosphate N-acetylneuraminic acid (CMP-Neu5Ac), which provides the substrate required for the addition of sialic acid. Sialic acids of cell surface glycoproteins and glycolipids play a pivotal role in the structure and function of animal tissues. The pattern of cell surface sialylation is highly regulated during embryonic development, and changes with stages of differentiation. Studies of a similar murine protein suggest that this protein localizes to the nucleus.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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