



# Recombinant Human Methylmalonic aciduria and homocystinuria type C protein (MMACHC)

<b>Product Code</b>	CSB-EP896896HU
<b>Abbreviation</b>	MMACHC
<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>	Q9Y4U1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEPKVAELKQ KIEDTLCFPG FEVYPFQVAW YNELLPPAFH LPLPGPTLAF LVLSTPAMFD RALKPFLQSC HLRMLTDPVD QCVAYHLGRV RESLPELQIE IIADYEVHPN RRPKILAQTA AHVAGAAYYY QRQDVEADPW GNQRISGVCI HPRFGGWFAI RGVVLLPGIE VPDLPPrKPH DcVpTRADRI ALLEGFNFW RDWTYRDAVT PQERYSEEQK AYFSTPPAQR LALLGLAQPS EKPSSPSPDL PFTTPAPKKP GNPSRARSWL SPRVSPASP GP
<b>Source</b>	E.coli
<b>Target Names</b>	MMACHC
<b>Protein Names</b>	Recommended name: Methylmalonic aciduria and homocystinuria type C protein
<b>Expression Region</b>	1-282
<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 exact function of This protein is not known, however, its C-terminal region shows similarity to TonB, a bacterial protein involved in energy transduction for cobalamin (vitamin B12) uptake. Hence, it is postulated that this protein may have a role in the binding and intracellular trafficking of cobalamin. Mutations in this gene are associated with methylmalonic aciduria and homocystinuria type cb1C.
<b>Reconstitution</b>	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.



## Shelf Life

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