



# Recombinant Human Betaine--homocysteine S-methyltransferase 1 (BHMT)

<b>Product Code</b>	CSB-MP835892HU
<b>Abbreviation</b>	BHMT
<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>	Q93088
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	PPVGGKKAK KGILERLNAG EIVIGDGGFV FALEKRGYVK AGPWTPEAAV EHPEAVRQLH REFLRAGSNV MQTFTFYASE DKLENRGNYV LEKISGQEVN EAACDIARQV ADEGDALVAG GVSQTPSYLS CKSETEVKKV FLQQLEVFMK KNVDFLIAEY FEHVEEAVWA VETLIASGKP VAATMCIGPE GDLHGVPPE CAVRLVKAGA SIIGVNCHFD PTISLKTVKL MKEGLEAARL KAHLMSQPLA YHTPDCNKQG FIDLPEFPFG LEPRVATRWD IQKYAREAYN LGVRYIGGCC GFEPYHIRAI AEELAPERGF LPPASEKHGS WGSGLDMHTK PWVRARARKE YWENLRIASG RPYNPSMSKP DGWGVTKGTA ELMQQKEATT EQQLKELFEK QKFKSQ
<b>Source</b>	Mammalian cell
<b>Target Names</b>	BHMT
<b>Protein Names</b>	Recommended name: Betaine--homocysteine S-methyltransferase 1 EC=2.1.1.5
<b>Expression Region</b>	2-406
<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 of Mature Protein
<b>Target Details</b>	This gene encodes a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in this gene could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed.
<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**

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.