

Product datasheet for TP303148M

BHMT (NM_001713) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human betaine-homocysteine methyltransferase (BHMT), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203148 protein sequence Red=Cloning site Green=Tags(s)

MPPVGGKKAKKGILERLNAGEIVIGDGGFVFALEKRGYVKAGPWTPEAAVEHPEAVRQLHREFLRAGSNV
 MQTFTFYASEDKLENRGNVLEKISGQEVNEAACDIARQVADEGDALVAGGVSQTPSYLSCKSETEVKKV
 FLQQLEVFMKKNVDFLIAEYFEHVVEAVWAVETLIASGKPVAAATMCIGPEGDLHGVPPEGCAVRLVKAGA
 SIIGVNCHFDPTISLKTVMKEGLEAARLKAHLMSQPLAYHTPDCNKQGFDLPFEPFGLPRVATRW
 IQKYAREAYNLGVRYIGGCCGFEPYHIRAIAEELAPERGLPPASEKHGWSGSLDMHTKPWVRARARKE
 YWENLRIASGRYPNPSMSKPDGWGVTKGTAELMQQKEATTEQQLKELFEKQKFKSQ

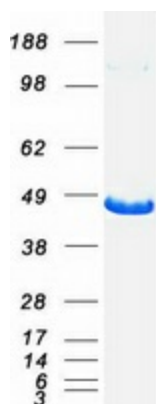
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.8 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.
RefSeq:	<u>NP_001704</u>
Locus ID:	635


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UniProt ID:	<u>Q93088</u> , <u>V9HWA4</u>
RefSeq Size:	2515
Cytogenetics:	5q14.1
RefSeq ORF:	1218
Synonyms:	BHMT1; HEL-S-61p
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Pathways:	Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified BHMT protein (Cat# [TP303148]). The protein was produced from HEK293T cells transfected with BHMT cDNA clone (Cat# [RC203148]) using MegaTran 2.0 (Cat# [TT210002]).