

Product datasheet

Recombinant Human BHMT2 protein (denatured)
 ab180277

1 Image

Description

Product name	Recombinant Human BHMT2 protein (denatured)	
Purity	> 90 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	Q9H2M3	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAPAGRPGAKKGILE RLESGEVVIGDG SFLITLEKRGYVKAGLWTPEAVIEHPDAVRQLHMEFLRAG SNVMQTFIFS ASEDNMESKWEDVNAAACDLAREVAGKGDALVAGGICQ TSMKYQKDEAR IKKLFRQQLEVFawkNVDFLIAEYFEHVVEEAVWAVEVLKE SDRPVAVTMC IGPEGDMHDITPGECAVRLVKAGASIVGVNCRFGPDTSLK TMELMKEGLE WAGLKAHLMVQPLGFHAPDCGKEGFVDLPEYPPGLESR VATRWDIQKYAR EAYNLGVRYIGGCCGFEPYHIRAIAEELAPERGFPPASEK HGSWGSGLD MHTKPWIRARARREYWENLLPASGRPFPCPSLSKPDF	
Predicted molecular weight	43 kDa including tags	
Amino acids	1 to 363	
Tags	His tag N-Terminus	
Additional sequence information	NP_060084.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab180277** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

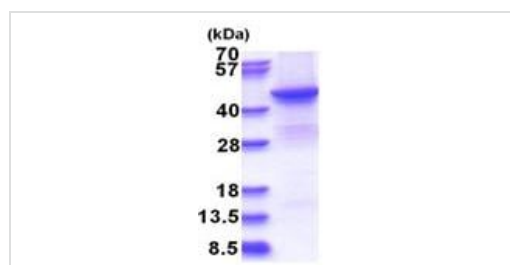
Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Relevance Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular metabolites. BHMT2 is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida.

Cellular localization Cytoplasmic

Images



15% SDS-PAGE analysis of ab180277 (3µg).

SDS-PAGE - Recombinant Human BHMT2 protein
(denatured) (ab180277)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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