

Product datasheet for TP502551

Mmachc (NM_025962) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse methylmalonic aciduria cblC type, with homocystinuria (Mmachc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202551 protein sequence Red=Cloning site Green=Tags(s)

MFDRALKPFLKSCHFQTLRDPVDQCVSYHLRSVTEKFPEVHMEVIADYEVHPNRRPKILAQTAAHVAGAA
YYYQRQDVDADPWGTQHIAGVCIHPRFGGWFAIRGVMLLPGIEVPNLPPRKPDPVTRAGRITLLEGFN
FHWRDWTYRDAVTPEERYSEEQKIYFSTPPAQLALLGLAQSEHPSTTSELPLSLLTKPQNSRRARSWL
SPSVPPVSPGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	25.2 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
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 after receiving vials.
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:	NP_080238
Locus ID:	67096
UniProt ID:	Q9CZD0
RefSeq Size:	1950



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Cytogenetics: 4 D1

RefSeq ORF: 669

Synonyms: 1810037K07Rik; CblC

Summary: Catalyzes the reductive dealkylation of cyanocobalamin to cob(II)alamin, using FAD or FMN as cofactor and NADPH as cosubstrate. Can also catalyze the glutathione-dependent reductive demethylation of methylcobalamin, and, with much lower efficiency, the glutathione-dependent reductive demethylation of adenosylcobalamin. Under anaerobic conditions cob(I)alamin is the first product; it is highly reactive and is converted to aquocob(II)alamin in the presence of oxygen. Binds cyanocobalamin, adenosylcobalamin, methylcobalamin and other, related vitamin B12 derivatives.[UniProtKB/Swiss-Prot Function]