

Product datasheet for TP519119

Cbs (NM_144855) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cystathionine beta-synthase (Cbs), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219119 representing NM_144855 Red =Cloning site Green =Tags(s)
	<p>MPSGTSQCEDGSAGGFQHLDMHSEKRQLEKGPSGDKDRVWIRPDTPSRCTWQLGRAMADSPHYHTVLTKS PKILPDILRKIGNTPMVRINKISKNAGLKCELLAKCEFFNAGGSVKDRISLRMIEDAERAGNLKPGDTII EPTSGNTGIGLALAAVKGYRCIIVMPEKMSMEKVDVLRALGAEIVRTPTNARFDSPEHVGVAVRLKNE IPNSHILDQYRNASNPLAHYDDTAEIILQQCDGKLDMLVASAGTGGTITGIARKLKEKCPGCKIIGVDPE GSILAEPEELNQTEQTAYEVEGIGYDFIPTVLDRAVDKWFKSNDEDSFAFARMLIAQEGLLCGGSSGSA MAVAVKAARELQEGQRCVVILPDSVRNYMSKFLSDKWMLQKGFMEELSVKRPWWWRLRVQELSLSAPLT VLPTVTCEDTIALREKGFDPVNVESGAILGMVTLGNMLSSLLAGKVRPSDEVCKVLYKQFKPIHLTD TLGTLSHILEMDHFALVHEQIQSRDQAWSGVVGPTDCSNGMSSKQQMVFGVTAIDLLNFVAAREQTQ T</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	62 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.



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RefSeq: [NP_659104](#)

Locus ID: 12411

UniProt ID: [Q91WT9](#)

RefSeq Size: 2503

Cytogenetics: 17 16.93 cM

RefSeq ORF: 1683

Synonyms: AI047524; AI303044; HIP4

Summary: Hydro-lyase catalyzing the first step of the transsulfuration pathway, where the hydroxyl group of L-serine is displaced by L-homocysteine in a beta-replacement reaction to form L-cystathionine, the precursor of L-cysteine. This catabolic route allows the elimination of L-methionine and the toxic metabolite L-homocysteine (By similarity). Also involved in the production of hydrogen sulfide, a gasotransmitter with signaling and cytoprotective effects on neurons (By similarity). [UniProtKB/Swiss-Prot Function]