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Product datasheet for TP504112

Mpst (NM_138670) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mercaptopyruvate sulfurtransferase (Mpst), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204112 protein sequence Red=Cloning site Green=Tags(s) MAAPQLFRALVSAQWVAEALKAPRSSQPLKLLDASWYLPKLGRDARREFEERHIPGAAFFDIDRCSDHTS PYDHMLPNATHFADYAGSLGVSAATHVVIYDGSDQGLYSAPRVWWMFRAFGHHSVSLLDGGFRHWLNQNL PISSGKSHSEPAEFSAQLDPSFIKTHEDILENLDARRFQVVDARAAGRFQGTQPEPRDGIEPGHIPGSVN IPFTEFLTNEGLEKSPEEIKRLFKEKKVDLSKPLVATCGSGVTACHVVLGAFLCGKSDVPVYDGSWVEWY MRAQPEHIISEGRGKTQ SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	33 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_619611
Locus ID:	246221
UniProt ID:	Q99J99

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RefSeq Size:	1426
Cytogenetics:	15 E1
RefSeq ORF:	894
Synonyms:	Mst
Summary:	Transfer of a sulfur ion to cyanide or to other thiol compounds. Also has weak rhodanese activity. Detoxifies cyanide and is required for thiosulfate biosynthesis. Acts as an antioxidant. In combination with cysteine aminotransferase (CAT), contributes to the catabolism of cysteine and is an important producer of hydrogen sulfide in the brain, retina and vascular endothelial cells. Hydrogen sulfide H(2)S is an important synaptic modulator, signaling molecule, smooth muscle contractor and neuroprotectant. Its production by the 3MST/CAT pathway is regulated by calcium ions.[UniProtKB/Swiss-Prot Function]