

Product datasheet for **AR50684PU-N**

MPST (1-297, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MPST (1-297, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHPASPQL CRALVSAQWV AEALRAPRAG QPLQLLDASW YLPKLGRDAR REFEEERHIPG AAFDIDQCS DRTSPYDHML PGAEHFAEYA GRLGVGAATH VVIYDASDQG LYSAPRVWWM FRAFGHHA VS LLDGGLRHWL RQNLPLSSGK SQPAPAEFRA QLDPAFIKTY EDIKENLES R RFQVDSRAT GRFRGTEPEP RDGIEPGHIP GTVNIPFTDF LSQEGLEKSP EEIRHLFQEK KVDLSKPLVA TCGSGVTACH VALGAYLCGK PDVPIYDGSW VEWYMRARPE DVISEGRGKT H
Tag:	His-tag
Predicted MW:	35 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MPST protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001013454
Locus ID:	4357
UniProt ID:	P25325 , A0A140VJX3
Cytogenetics:	22q12.3



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Synonyms: MST; TST2; TUM1

Summary: This protein encoded by this gene catalyzes the transfer of a sulfur ion from 3-mercaptopyruvate to cyanide or other thiol compounds. It may be involved in cysteine degradation and cyanide detoxification. There is confusion in literature between this protein (mercaptopyruvate sulfurtransferase, MPST), which appears to be cytoplasmic, and thiosulfate sulfurtransferase (rhodanese, TST, GeneID:7263), which is a mitochondrial protein. Deficiency in MPST activity has been implicated in a rare inheritable disorder known as mercaptolactate-cysteine disulfiduria (MCDU). Alternatively spliced transcript variants encoding same or different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways

Product images:

