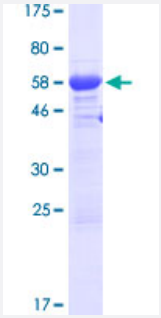
Full-Length

MTL5 (Human) Recombinant Protein (P01)

Catalog # H00009633-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MTL5 full-length ORF (NP_001034745.1, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEEGPLPGGLPSPEDAMVTELLSPEGPFASENIGLKAPVKYEEDEFHVFKEAYLGPADPKEPVL HAFNPALGADCKGQVKAKLAGGDSDGGELLGEYPGIPELSALEDVALLQAPQPPACNVHFLSSL LPAHRSPAVLPLGAWVLEGASHPGVRMIPVEIKEAGGTTTSNNPEEATLQNLLAQESCCKFPSSQ ELEDASCCSLKKDSNPMVICQLKGGTQMLCIDNSRTRELKALHLVPQYQDQNNYLQSDVPKPMT ALVGRFLPASTKLNLITQQLEGALPSVVNGSAFPSGSTLPGPPKITLAG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	58.7
Interspecies Antigen Sequence	Mouse (54); Rat (54)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MTL5

Entrez GeneID	9633
GeneBank Accession#	NM_001039656.1
Protein Accession#	NP_001034745.1
Gene Name	MTL5
Gene Alias	CXCDC2, MTLT, TESMIN
Gene Description	metallothionein-like 5, testis-specific (tesmin)
Omim ID	604374
Gene Ontology	Hyperlink
Gene Summary	Metallothionein proteins are highly conserved low-molecular-weight cysteine-rich proteins that are induced by and bind to heavy metal ions and have no enzymatic activity. They may play a central r ole in the regulation of cell growth and differentiation and are involved in spermatogenesis. This g ene encodes a metallothionein-like protein which has been shown to be expressed differentially in mouse testis and ovary. Two transcript variants encoding different isoforms have been found for th is gene. [provided by RefSeq
Other Designations	CXC domain containing 2|metallothionein-like 5, testis-specific