

Recombinant Human MTL5, GST-tagged

Cat. No. MTL5-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTL5(1 a.a. - 306 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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 role in the regulation of cell growth and differentiation and are involved in spermatogenesis. This gene 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 this gene.
Molecular Mass	58.7 kDa
AA Sequence	MEEGPLPGGLPSPEDAMVTELLSPEGPFASENIGLKAPVKYEEDEFHVFKEAYLGPA DPKEPVLHAFNPALGADC KGQVKAKLAGGDSGGEELLGEYPGIPELSALEDVALLQ APQPPACNVHFLSSLLPAHRSPAVLPLGAWVLEGASH PGVRMIPVEIKEAGGTTTS NNPEEATLQNLLAQESCKFPSSQELEDASCCSLKKDSNPMVICQLKGGTQMLCID NSRTRELKALHLVPQYQDQNNYLQSDVPKPM TALVGRFLPASTKLNLTQQLEGALP SVVNGSAFPSGSTLP GPP KITLAG
Applications	ELISA; WB-Re; AP; Array

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Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name MTL5 metallothionein-like 5, testis-specific (tesmin) [Homo sapiens (human)]

Official Symbol MTL5

Synonyms MTL5; MTLT; CXCDC2; TESMIN; metallothionein-like 5, testis-specific (tesmin); tesmin; CXC domain containing 2; testis-specific metallothionein-like protein

Gene ID 9633

mRNA Refseq NM_001039656

Protein Refseq NP_001034745

MIM 604374

UniProt ID Q9Y4I5

Chromosome Location 11q13.2-q13.3

Function metal ion binding

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