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 KGQVKAKLAGGDSDGGELLGEYPGIPELSALEDVALLQ APQPPACNVHFLSSLLPAHRSPAVLPLGAWVLEGASH PGVRMIPVEIKEAGGTTTS NNPEEATLQNLLAQESCCKFPSSQELEDASCCSLKKDSNPMVICQLKGGTQMLCID NSRTRELKALHLVPQYQDQNNYLQSDVPKPMTALVGRFLPASTKLNLITQQLEGALP SVVNGSAFPSGSTLPGPP 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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