

Recombinant Human MTL5, GST-tagged

MTL5-133H Human

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.
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.
Source	Wheat germ
Species	Human
Tag	GST
Molecular Mass	58.7 kDa
AA Sequence	MEEGPLPGGLPSPEDAMVTELLSPEGPFASENIGLKAPVKYEEDEFHVFKEAYLGPADPKEPVLH AFNPALGADC KGQVKAKLAGGSDSDGGELLGEYPGIPELSALEDVALLQAPQPPACNVHFLSSLLPAHRSPAVLPL GAWVLEGASH PGVRMIPVEIKEAGGTTTNNPEEATLQNLLAQESCKFPSSQELEDASCCSLKKDSNPMVICQL KGGTQMLCID NSRTRELKALHLVPQYQDQNNYLQSDVPKPM TALVGRFLPASTKLNLTQQLEGALPSVNGSAF PSGSTLPGPP KITLAG
Applications	ELISA; WB-Re; AP; Array
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; CXDC2; TESMIN; metallothionein-like 5, testis-specific (tesmin); tesmin; CXC domain containing 2; testis-specific metallothionein-like protein
Gene ID	9633

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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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