



Recombinant Rat Tesmin (Mtl5)

Product Code	CSB-EP736442RA
Abbreviation	Mtl5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5XHX9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MEDALLGAMT GPEDELGAEL FGSERAFADG LALSPAGGAA DRDELPVLAD AYLGATEPGE PLLRALSPPP GAEVPAALLG DFPGLPELRS SDDAAPPAY SVHVLSSLLP GARGPALLPL SAGVRVIPVE IKEAGGGVPG SSPEDAFAFQA PLAQESCCKF SSSQEAEEAS GCPRKKDSSP MVICQLKGGA QMLCIDNCGA RELKALHLLP QYDDQSSFPQ SELPKPMTTL VGRLLPVPK LNLITQVDNG ALPSAVNGAA FPSGPALQGP PKIALAGYCD CFSSGDFCNS CSCNNLRHEL ERFKAIAACL DRNPEAFQPK MGKGRLGAAK LRHSKGCNCK RSGCLKNYCE CYEAKITCSS ICKCIACKNY EESPERKMLM STPHYMEPGD FESSHHLSPA KFSGPPRLRK NRQAFSCISW EVVEATCACL LAQGEEAEQE RCSPSLAEQM VLEEFGRCLS QILHIEFKSK GLKIE
Source	E.coli
Target Names	Tesmin
Protein Names	Recommended name: Tesmin Alternative name(s): Metallothionein-like 5, testis-specific
Expression Region	1-475
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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