Recombinant Mouse Mt1 Protein, His-tagged

Cat. No. Mt1-1794M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mt1 Protein (Met1-Ala61) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ala61
Description	Enables copper ion binding activity. Involved in negative regulation of neuron apoptotic process. Acts upstream of or within several processes, including cellular response to chromate; cellular response to zinc ion; and cellular zinc ion homeostasis. Located in cytosol and lysosome. Is expressed in several structures, including alimentary system; early conceptus; genitourinary system; liver; and nasal cavity epithelium. Orthologous to several human genes including MT1A (metallothionein 1A); MT1E (metallothionein 1E); and MT1F (metallothionein 1F).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 9.7 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mt1 metallothionein 1 [Mus musculus (house mouse)]
Official Symbol	Mt1
Synonyms	Mt1; metallothionein 1; MT-I; Mt-1; metallothionein-1; metallothionein-I
Gene ID	17748
mRNA Refseq	NM_013602
Protein Refseq	NP_038630
UniProt ID	P02802

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA