

Recombinant Human MT3

Cat. No. MT3-29501TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MT3 with N-terminal proprietary tag. Predicted MW 33.48kDa.
Species	Human
Source	Wheat Germ
ProteinLength	68 amino acids
Description	Metallothionein-3 is a protein that in humans is encoded by the MT3 gene.
Molecular Weight	33.480kDa inclusive of tags
Tissue specificity	Abundant in a subset of astrocytes in the normal human brain, but greatly reduced in the Alzheimer disease (AD) brain.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MDPETCPGPSGGSCTCADSCKCEGCKCTSCKKSCCSCCPAECEKCAKDCVCKGG EAAEAEAEKSCCQ
Sequence Similarities	Belongs to the metallothionein superfamily. Type 1 family.
GENE INFORMATION	
Gene Name	MT3 metallothionein 3 [Homo sapiens]
Official Symbol	MT3
Synonyms	MT3; metallothionein 3; metallothionein 3 (growth inhibitory factor (neurotrophic)); metallothionein-3; GIF;
Gene ID	4504
mRNA Refseq	NM_005954
Protein Refseq	NP_005945
MIM	139255
Uniprot ID	P25713
Chromosome Location	16q13
Function	antioxidant activity; copper ion binding; metal ion binding; zinc ion binding;