

Recombinant Human MT2A

Catalog No: #GP10594



Package Size: #GP10594-1 100ug

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Description

Product Name	Recombinant Human MT2A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-61 amino acids of human MT2A
Target Name	metallothionein 2A
Other Names	MT2; MT-2; MT-II
Accession No.	Swissprot:P02795Gene Accession:BC007034
Uniprot	P02795
GeneID	4502;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene is a member of the metallothionein family of genes. Proteins encoded by this gene family are low in molecular weight, are cysteine-rich, lack aromatic residues, and bind divalent heavy metal ions, altering the intracellular concentration of heavy metals in the cell. These proteins act as anti-oxidants, protect against hydroxyl free radicals, are important in homeostatic control of metal in the cell, and play a role in detoxification of heavy metals. The encoded protein interacts with the protein encoded by the homeobox containing 1 gene in some cell types, controlling intracellular zinc levels, affecting apoptotic and autophagy pathways. Some polymorphisms in this gene are associated with an increased risk of cancer.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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