

MT2A 抗原（重组蛋白）

中文名称： MT2A 抗原（重组蛋白）

英文名称： MT2A Antigen (Recombinant Protein)

相关类别： 抗原

储 存： 冷冻（-20℃） 避光

概述

Fusion protein corresponding to a region derived from 1-61 amino acids of human MT2A

技术规格

Full name:	metallothionein 2A
Synonyms:	MT2; MT-2; MT-II
Swissprot:	P02795
Gene Accession:	BC007034
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.