Recombinant Protein Technical Manual

Recombinant Human METAP1 Protein

RPES0959

Product Data:

Product SKU: RPES0959

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P53582

Protein Information:

Molecular Mass: 43.2 kDa

AP Molecular Mass: 38&45-50 kDa

Tag:

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at<-20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris,500mM NaCl,10%glycerol,pH8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Methionine aminopeptidase 1; MAP 1; MetAP 1; Peptidase M 1; METAP1;MAP1A;MetAP1A

Immunogen Information:

Sequence: Met1-Phe386

Background:

Methionine Aminopeptidase 1 is a member of the M24 family of metalloproteases. METAP1 plays an important role in G(2)/M phase regulation of the cell cycle and may serve as a promising target for the discovery and development of new anticancer agents. METAP1 and METAP2 have different substrate specificity due to the differences in both size and shape of the active sites. The proteolytic removal of N-terminal methionine from nascent peptides is catalyzed by a family of enzymes known as methionine aminopeptidases (MetAPs) and is essential for cell growth. Inhibition of METAPs provides a novel strategy in developing anti-cancer drugs.