

Recombinant Human METAP1 Protein

Catalog No. PKSH033589

Description

Synonyms	Methionine aminopeptidase 1; MAP 1; MetAP 1; Peptidase M 1; METAP1;MAP1A;MetAP1A
Species	Human
Expression_host	E.coli
Sequence	Met1-Phe386
Accession	P53582
Mol_Mass	43.2 kDa
AP_Mol_Mass	38&45-50 kDa

Properties

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.

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.

SDS-PAGE

