

Recombinant Human METAP1 Protein

Catalog Number: PKSH033589

Note: Centrifuge before opening to ensure complete recovery of vial contents.

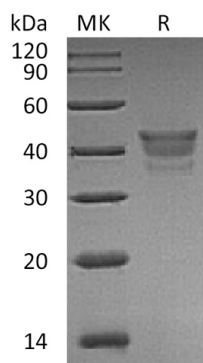
Description

Species	Human
Source	E.coli-derived Human METAP1 protein Met1-Phe386
Calculated MW	43.2 kDa
Observed MW	38-50 kDa
Accession	P53582
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein 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/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, pH 8.0.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Methionine Aminopeptidase 1 is a member of the M24 family of metalloproteases. METAP1 plays an important role in G₁/S 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.