

Recombinant Human MetAP1 Protein

Catalog No.: RP03202LQ

Sequence Information

Species Gene ID

Human 23173

Swiss Prot Tags

P53582 No tag

Synonyms

Methionine aminopeptidase 1;
MAP 1; MetAP 1; Peptidase M 1;
METAP1

Product Information

Source Purification

E.coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

43.2 kDa 40-50 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 500 mM NaCl, 10% Glycerol, pH 8.0.

Reconstitution

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.

Basic Information

Description

Recombinant Human MetAP1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Phe386) of human MetAP1 (Accession #P53582) fused with No tag.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

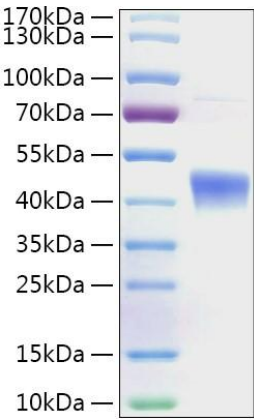
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Validation Data



Recombinant Human MetAP1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.