

Catalog No.: RP03202LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	23173	P53582

No tag

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

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

Calculated MW	Observed MW
43.2 kDa	40-50 kDa

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

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

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.

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.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

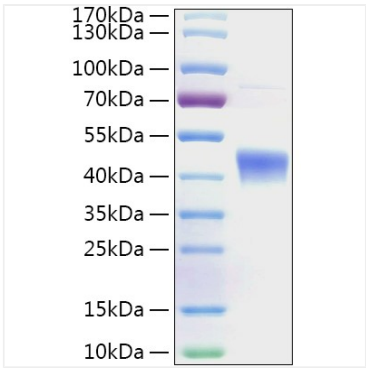
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



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