



# Recombinant Protein Technical Manual

## Recombinant Human MAP1D Protein (His Tag)

RPES4531

### Product Data:

**Product SKU:** RPES4531

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q6UB28

### Protein Information:

**Molecular Mass:** 35.4 kDa

**AP Molecular Mass:** 32 kDa

**Tag:** N,C-6His

**Bio-activity:**

**Purity:** > 90 % 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/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 50mM Tris, 100mM NaCl, pH 8.0.

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

**Application:**

**Synonyms:** Methionine Aminopeptidase 1D Mitochondrial; Methionyl Aminopeptidase Type 1D Mitochondrial; METAP1D; MAP1D; MAP 1D; MetAP 1D; Metap1l

## Immunogen Information:

**Sequence:** Arg44-Ala335

## Background:

Methionine Aminopeptidase 1D (METAP1D) is a mitochondrion protein that belongs to the peptidase M24A family. METAP1D is overexpressed at the protein level in colon cancer cell lines and colon tumors as compared to normal tissues. N-terminal methionine removal is an important cellular process required for proper biological activity, subcellular localization, and eventual degradation of many proteins. METAP1D is also active with zinc, manganese or divalent ions. It may also play an important role in colon tumorigenesis.