

## 32-8871: Recombinant Human Methionine Aminopeptidase 1

**Gene :** METAP1

**Gene ID :** 23173

**Uniprot ID :** P53582

### Description

Source: E.coli.

MW :43.2kD.

Recombinant Human Methionine Aminopeptidase 1 is produced by our E.coli expression system and the target gene encoding Met1-Phe386 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris,500mM NaCl,10%glycerol,pH8.0.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MAAVETRVCE TDGCSSEAKLQCPTCIKLG IQGSYFCSQECFKGSWATHKLLHKKAKDEKAKREVSSWTVEGDI  
NTDPWAGYRYTGKLRPHYPLMPTRPVPSYIQRPDYADHPLGMSESEQALKGTSQIKLLSSEDI EGMLVCLAR  
EVL DVAAGMIKPGVTTEEIDHAVHLACIARNCYPSPLNYYNFPKSCCTSVNEVICHGIPDRRPLQEGDIVNVDITL  
YRNGYHGDLNETFFVGEVDDGARKLVQTTYECLMQAIDAVKPGVRYRELGNIQKHAQANGFSVVRSYCGHGI  
HKL FHTAPNVPHYAKNKAVGVMKSGHVFTIEPMICEGGWQDET WPDGWTAVTRD GKRSAQFEHTLLVDTG  
CEILTRRLDSARPHFMSQF

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.