

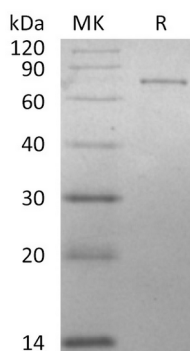
Product Name: Recombinant Human MetAP2 (N-6His)
Catalog #: PBH1154



概述 (Summary)

英文全称	Methionine Aminopeptidase 2/METAP2/MAP2
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Methionine Aminopeptidase 2 is produced by our Baculovirus expression system and the target gene encoding Ala2-Tyr478 is expressed with a 6His tag at the N-terminus.
Accession #	P50579
蛋白标签 (Tag)	
表达宿主 (Host)	Baculovirus
种属 (Species)	Human
预测分子量 (Predicted MW)	53.6 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Methionine aminopeptidase 2; MAP 2; MetAP 2; p67; p67eIF2; Peptidase M; METAP2; MAP2

背景介绍 (References)

Human Methionine Aminopeptidase 2 (METAP2, MAP2) is a member of the M24 family of metalloproteases. METAPs catalyze the removal of the initiator methionine residue from nascent peptides and are essential for cell growth. MAP2 binds 2 cobalt or manganese ions and contains approximately 12 O-linked N-acetylglucosamine (GlcNAc) residues. It is found in all organisms and is especially important because of its critical role in tissue repair and protein degradation. METAP2 plays an important role in the development of different types of cancer and has been a novel target for developing anti-cancer drugs. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. MAP2 protects eukaryotic initiation factor EIF2S1 from translation-inhibiting phosphorylation by inhibitory kinases such as EIF2AK2/PKR and EIF2AK1/HCR. It also plays a critical role in the regulation of protein synthesis.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.