Datasheet for ABIN7318776

METAP2 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	METAP2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METAP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human METAP2 Protein (His Tag)
Sequence:	Ala2-Tyr478
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	METAP2
Alternative Name:	METAP2 (METAP2 Products)
Background:	Background: Human Methionine Aminopeptidase 2 (METAP2, MAP2) is a member of the M24 family of metalloproteases. METAPs catalyze the removal of the initiator methionine residue

Target Details

	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 amno-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. Synonym: Methionine aminopeptidase 2, MAP 2, MetAP 2, p67, p67eIF2, Peptidase M, METAP2, MAP2
Molecular Weight:	53.6 kDa
UniProt:	P50579
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0 .
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.