

Recombinant Human PAM16 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAM16-1733H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIMM16 MS Standard C13 and N15-labeled recombinant protein (NP_057153) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a mitochondrial protein involved in granulocyte-macrophage colony-stimulating factor (GM-CSF) signaling. This protein also plays a role in the import of nuclear-encoded mitochondrial proteins into the mitochondrial matrix and may be important in reactive oxygen species (ROS) homeostasis. Mutations in this gene cause Megarbane-Dagher-Melike type spondylometaphyseal dysplasia, an early lethal skeletal dysplasia characterized by short stature, developmental delay and other skeletal abnormalities.
Molecular Mass	13.8 kDa
AA Sequence	MAKYLAQIIVMGVQVVGRAFARALRQEFAASRAAADARGRAGHRSAAASNLSGLSL QEAQQILNVSKLSPEEVQKNYEHLFKVNDKSVGGSFYLSKVVRAKERLDEELKIQA QEDREKGQMPHTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PAM16 presequence translocase associated motor 16 [Homo sapiens (human)]

Official Symbol PAM16

Synonyms PAM16; presequence translocase associated motor 16; TIM16; MAGMAS; SMDMDM; TIMM16; CGI-136; mitochondrial import inner membrane translocase subunit TIM16; magmas-like protein; mitochondria associated protein involved in granulocyte macrophage colony stimulating factor signal transduction; mitochondria-associated granulocyte macrophage CSF-signaling molecule; presequence translocase associated motor 16 homolog

Gene ID 51025

mRNA Refseq NM_016069

Protein Refseq NP_057153

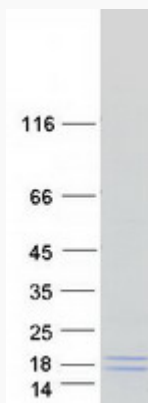
MIM 614336

UniProt ID Q9Y3D7

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SDS-PAGE

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