

## Product datasheet for **TP302828M**

### **PAM16 (NM\_016069) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human mitochondria-associated protein involved in granulocyte-macrophage colony-stimulating factor signal transduction (Magma), nuclear gene encoding mitochondrial, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC202828 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAKYLAQIIVMGVQVWGRAFARALRQEFAASRAAADARGRAGHRSAASNLGSLSLQEAQQILNVSKLSP  
EEVQKNYEHLFKVNDKSVGGSFYLSKVVRAKERLDEELKIQAQEDREKGMPT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 13.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_057153](#)

**Locus ID:** 51025

**UniProt ID:** [Q9Y3D7](#)



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RefSeq Size: 600

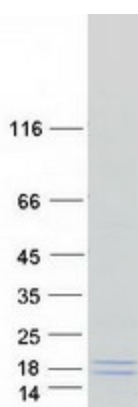
Cytogenetics: 16p13.3

RefSeq ORF: 375

Synonyms: CGI-136; MAGMAS; SMDMDM; TIM16; TIMM16

**Summary:** 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. [provided by RefSeq, May 2017]

### Product images:



Coomassie blue staining of purified PAM16 protein (Cat# [TP302828]). The protein was produced from HEK293T cells transfected with PAM16 cDNA clone (Cat# [RC202828]) using MegaTran 2.0 (Cat# [TT210002]).