

# 32-8877: Recombinant S. cerevisiae TIM16(Discontinued)

Gene :	PAM16
Gene ID :	853340
Uniprot ID :	P42949

### **Description**

Source: E.coli.

## MW :7.9kD.

Recombinant S. cerevisiae Mitochondrial Import Inner Membrane Translocase Subunit TIM16 is produced by our E.coli expression system and the target gene encoding Thr54-Ala119 is expressed. Mitochondrial import inner membrane translocase subunit TIM16 (TIM16) is an ssential component of the PAM complex. PAM complex is required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. In the complex, TIM16 is required to regulate activity of mtHSP70 (SSC1) via its interaction with PAM18/TIM14. TIM16 may act by positioning PAM18/TIM14 in juxtaposition to mtHSP70 at the translocon to maximize ATPase stimulation.

### **Product Info**

Amount : Content :	10 μg / 50 μg Lyophilized from a 0.2 μm filtered solution of 20mM Tris,300mM NaCl,pH8.0.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MTLDESCKILNIEESKGDLNMDKINNRFNYLFEVNDKEKGGSFYLQSKVYRAAERLKWELAQREKNA

### **Application Note**

**Endotoxin :** Less than 0.1 ng/ $\tilde{A}$   $\hat{A}\mu g$  (1 IEU/ $\tilde{A}$   $\hat{A}\mu g$ ) as determined by LAL test.