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## Product Data Sheet

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Product Name: PET117 Human  
Cat. No.: GP24163  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein PET117 homolog; mitochondrial; PET117; UNQ607/PRO1194.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSVHVKQQW DQQLRDGVI RDIERQIRKK ENIRLLGEQI ILTEQLEAER EKMLLAKGSQ KS.		
Formulation	The PET117 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

### Introduction

PET117 is nuclear gene essential for the assembly of active cytochrome c oxidase in *S. cerevisiae*. Nevertheless the gene products are not subunits of the final assembled cytochrome c oxidase complex. PET117 is found in chromosome V proximate the HIS1 gene.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

PET117 Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 82 amino acids (23-81) and having a molecular mass of 9.5kDa. PET117 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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