



Datasheet for ABIN5505663 **PET100 Protein (His tag)**



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1 Image

Overview

Quantity:	50 µg
Target:	PET100
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PET100 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Purified recombinant protein of Human hypothetical protein LOC100131801 (LOC100131801), transcript variant 1, full length, with N-terminal HIS tag, expressed in E.coli, 50 µg (full length, N-term HIS tag, transcript variant 1) protein expressed in E.coli.• Produced with end-sequenced ORF clone
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Purification:	Purified
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	PET100
Alternative Name:	LOC100131801 (PET100 Products)
Background:	Mitochondrial complex IV, or cytochrome c oxidase, is a large transmembrane protein complex

Target Details

that is part of the respiratory electron transport chain of mitochondria. The small protein encoded by this gene plays a role in the biogenesis of mitochondrial complex IV. This protein localizes to the inner mitochondrial membrane and is exposed to the intermembrane space. Mutations in this gene are associated with mitochondrial complex IV deficiency. This gene has a pseudogene on chromosome 3. Alternative splicing results in multiple transcript variants.

Molecular Weight: 9.6 kDa

NCBI Accession: [NP_001164626](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot