

#### **OriGene Technologies, Inc.**

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# Product datasheet for TP720192XL

## Cytochrome b5 (CYB5A) (NM\_001190807) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome b5 type A (microsomal) (CYB5A), transcript variant 3.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Asp134
Tag:	N-His
Predicted MW:	17.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 $\mu m$ filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per $\mu$ g protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 001177736</u>
Locus ID:	1528
UniProt ID:	<u>P00167</u>
Cytogenetics:	18q22.3
Synonyms:	CYB5; MCB5; METAG



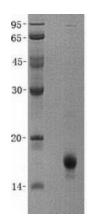
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Summary:The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric<br/>hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-<br/>desaturase activity. Defects in this gene are a cause of type IV hereditary<br/>methemoglobinemia. Three transcript variants encoding different isoforms have been found<br/>for this gene. [provided by RefSeq, Jun 2010]

Protein Families: Transmembrane

## **Product images:**



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