

Product datasheet for **AR39120PU-N**

Cytochrome b5 (1-108, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cytochrome b5 (1-108, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGSHEMAEQSD EAVKYYTLEE IQKHNHNSKST WLILHHKQVD LTKFLEEHPG GEEVLREQAG GDATENFEDV GHSTDAREMS KTFIIGELHP DDRPKLNKPP ETLITTIDSS SS
Tag:	His-tag
Predicted MW:	14.9 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid in. 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CYB5A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
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 hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Protein Families:

Transmembrane

Product images: