

Recombinant Human CYB5A Protein, His-tagged

Cat. No. CYB5A-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CYB5A protein(1-108aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	1-108 a.a.
Description	CYB5A, also known as cytochrome b5 isoform 1, is a member of membrane-bound cytochrome b5 family. It reduces ferric hemoglobin to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. This protein acts as an electron carrier for several membrane bound oxygenases.
Form	Liquid
Molecular Mass	13.3 kDa
N-terminal Sequence Analysis	Ala
Endotoxin	< 1.0 EU per 1 µg of protein (determined by LAL method)
Purity	> 90% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Warning	For research use only. This product is not intended or approved for human, diagnostics or veterin
AA Sequence	ADPMAEQSDEAVKYYTLEEIQKHNHNSKSTWLILHHKVYDLTKFLEEHPGGEEVLREQ AGGDATENFEDVGHSTDAREMSKTFIIGELHPDDRPKLNKPPETLITTIDSSSSHHHH HH

GENE INFORMATION

Gene Name	CYB5A cytochrome b5 type A [Homo sapiens (human)]
Official Symbol	CYB5A
Synonyms	CYB5A; cytochrome b5 type A; CYB5; MCB5; METAG; cytochrome b5; cytochrome b5 type A (microsomal); epididymis secretory sperm binding protein; type 1 cyt-b5
Gene ID	1528
mRNA Refseq	NM_148923
Protein Refseq	NP_683725
MIM	613218

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UniProt ID

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