

## Product datasheet for **AR50890PU-N**

### **CYB5R1 (29-305, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	CYB5R1 (29-305, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSLVRRSRR PQVTLLDPNE KYLLRLLDKT TVSHNTRFR FALPTAHTL GLPVGKHIYL STRIDGSLVI RPYTPVTSDE DQGYVDLVIK VYLKGVHPKF PEGGKMSQYL DSLKVGDWVE FRGPSGLLTY TGKGFHNIQP NKKSPPEPRV AKKLGMIAGG TGITPMLQLI RAILKVPEDP TQCFLLFANQ TEKDIILRED LEELQARYPN RFKLWFTLDH PPKDWAYSKG FVTADMIREH LPAPGDDVLV LLCGPPPMVQ LACHPNLDKL GYSQKMRFTY
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	33.8 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human CYB5R1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_057327</a>
<b>Locus ID:</b>	51706
<b>UniProt ID:</b>	<a href="#">Q9UHQ9</a>
<b>Cytogenetics:</b>	1q32.1
<b>Synonyms:</b>	B5R.1; B5R1; B5R2; humb5R2; NQO3A2



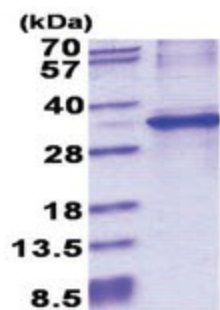
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**Summary:** NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Amino sugar and nucleotide sugar metabolism

**Product images:**



15% SDS-PAGE (3ug)