

**CYB5R3, 27-301 aa, Human, His tag, E.coli**

**Cat.NO.: TP01806**

3th Edition

**Synonyms:**Cytochrome b5 reductase 3, B5R, DIA1.

**Description:**CYB5R3 is a cytochrome b5 reductasecytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

**Molecular Weight:**34 kDa (300aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMFQRSTPAITLESPIKYPLRLIDREIISHDTRRFRFALPSPQHILGLPVGQHI  
YLSARIDGNLVVRPYTPISSDDDKGFVDLVIKVVYFKDTHPKFPAGGKMSQYLESMQIGDTIEFRGPSGLLVYQGKGK  
FAIRPDKKSNPIIRTVKSVGMIAGGTGITPMLQVIRAIMKDPDDHTVCHLLFANQTEKDILLRPELEELRNKHSARFKL  
WYTLDRAPAEWDYGQGFVNEEMIRDHLPPPEEEPLVLMCGPPPMIQYACLPNLDHVGHPTECFVF

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.