

Product datasheet for TP762099

CYP1B1 (NM_000104) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Purified recombinant protein of Human cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), Leu40-Ala305, with N-terminal His tag, expressed in E. coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding the region(Leu40-Ala305) of CYP1B1 or AA Sequence: N-His Tag: Predicted MW: 30 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 50 mM Tris-HCl, pH 8.0, 8 M urea Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 000095 Locus ID: 1545 **UniProt ID:** Q16678, Q53TK1 **RefSeq Size:** 5160 Cytogenetics: 2p22.2 **RefSeq ORF:** 1629 Synonyms: ASGD6; CP1B; CYPIB1; GLC3A; P4501B1

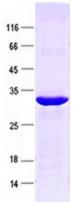


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Summary:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, P450
Protein Pathways:	Metabolism of xenobiotics by cytochrome P450, Tryptophan metabolism
Product image	S:



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