

Recombinant Human CYP11B1 protein, His-tagged

Cat. No. CYP11B1-3808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP11B1 protein(202-575 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	202-575 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	CRNGPEWRFNRLRLNPEVLSPNAVQRFLPMVDAVARDFSQALKKKVLQNARGSLT LDVQPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVMFKSTVQLMFMPRS LSRWTSPKVVKEHFCAWDCIFQYGDNCIQKIYQELAFSRPQQYTSIVAELLNAELS PDAIKANSMEITAGSVDTTVFLLMTLFEIARNPNVQQALRQESLAAAASISEHPQK ATTEPLLLRAALKETLRLYPVGLFLERVASSDLVLQNYHIPAGTLVRVFLYSLGRNPAL FPRPERYNPQRWLDIRGSGRNFYHVPFGFGMRQCLGRRLAEAEMLLLHHVLKHL QVETLTQEDIKMVYSFILRPSMFLLTFRAIN
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name CYP11B1 cytochrome P450, family 11, subfamily B, polypeptide 1 [Homo sapiens]

Official Symbol CYP11B1

Synonyms

CYP11B1; cytochrome P450, family 11, subfamily B, polypeptide 1; CYP11B, cytochrome P450, subfamily XIB (steroid 11 beta hydroxylase), polypeptide 1; cytochrome P450 11B1, mitochondrial; CPN1; FHI; P450C11; CYPXIB1; cytochrome P450C11; cytochrome P-450c11; cytochrome p450 XIB1; steroid 11-beta-hydroxylase; steroid 11-beta-monooxygenase; cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 1; CYP11B; FLJ36771; DKFZp686B05283;

Gene ID 1584

mRNA Refseq NM_000497

Protein Refseq NP_000488

MIM 610613

UniProt ID P15538

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