

Product datasheet for **TP321240M**

CYP11B1 (NM_001026213) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome P450, family 11, subfamily B, polypeptide 1 (CYP11B1), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC221240 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MALRAKAEVCMAVPWLSLQRAQALGTRAARVPRTVLPFEAMPRRPGNRWLRLLQIWREQGYEDLHLEVHQ
TFQELGPIFRYDLGGAGMVCVMLPEDVEKLQQVDSLPHRMSLEPWVAYRQHRGHKCGVFLNGPEWRFN
RLRLNPEVLSNAVQRFLPMVDAVARDFSQALKKKVLQNARGSLTLDVQPSIFHYTIEASNALFGERLG
LVGHSPSSASLNFLHALEVMFKSTVQLMFMPSRSLRWTS PKVWKEHFEAWDCIFQYGDNCIQKIYQELAF
SRPQQYTSIVAELLNAELSPDAIKANSMELTAGSVDTTVFLLMTL FELARNPNVQQALRQESLAAAAS
ISEHPQKATTELPLLRALKETLRLYPVGLFLERVASSDLVLQNYHIPAGVLKHLQVETLTQEDIKMVYS
FILRPSMFPLLTFRAIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001021384](#)

Locus ID: 1584

UniProt ID: [P15538](#), [P15538-2](#)

RefSeq Size: 3353

Cytogenetics: 8q24.3

RefSeq ORF: 1311

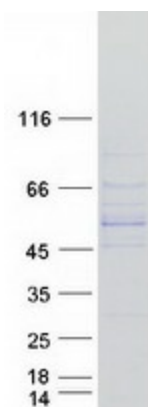
Synonyms: CPN1; CYP11B; FHI; P450C11

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. This protein localizes to the mitochondrial inner membrane and is involved in the conversion of progesterone to cortisol in the adrenal cortex. Mutations in this gene cause congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency. Transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, P450

Protein Pathways: Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CYP11B1 protein (Cat# [TP321240]). The protein was produced from HEK293T cells transfected with CYP11B1 cDNA clone (Cat# [RC221240]) using MegaTran 2.0 (Cat# [TT210002]).