

Recombinant Human CYP17A1 protein, His-tagged

Cat. No. CYP17A1-3622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP17A1 protein(160-508 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	160-508 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	HNGQSIDISFPVFAVTVNVISLICFNTSYKNGDPELNVIQNYNEGIIDNLSKDSLVDLVP WLKIFPNKTLEKLKSHVKIRNDLLNKILENYKEKFRSDSITNMLDTLMQAKMNSDNGN AGPDQDSELLSDNHILTTIGDIFGAGVETTTTSVVKWTLAFLHNPQVKKKLYEEIDQN VGFSRTPTISDRNRLLLLLEATIREVLRLRPVAPMLIPHKANVDSSIGEFVVDKGTVEIIN LWALHHNEKEWHQPQDFMPERFLNPAGTQLISPSVSYLPFGAGPRSCIGEILARQEL FLIMAWLLQRFDLEVPDDGQLPSLEGIPKVVFLIDSFKVKIKVRQAWREAQAEGST
Purity	95%, 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 containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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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

CYP17A1 cytochrome P450, family 17, subfamily A, polypeptide 1 [Homo sapiens]

Official Symbol

CYP17A1

Synonyms

CYP17A1; cytochrome P450, family 17, subfamily A, polypeptide 1; CYP17, cytochrome P450, subfamily XVII (steroid 17 alpha hydroxylase), adrenal hyperplasia; steroid 17-alpha-hydroxylase/17,20 lyase; CPT7; P450C17; S17AH; Steroid 17 alpha monooxygenase; CYPXVII; cytochrome P450c17; cytochrome P450-C17; cytochrome P450 17A1; cytochrome p450 XVIIA1; steroid 17-alpha-monooxygenase; cytochrome P450, subfamily XVII (steroid 17-alpha-hydroxylase), adrenal hyperplasia; CYP17;

Gene ID

1586

mRNA Refseq

NM_000102

Protein Refseq

NP_000093

MIM

609300

UniProt ID

P05093

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