

Recombinant Mouse Cyp17a1 Protein, Myc/DDK-tagged

Cat. No. Cyp17a1-2410M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome P450, family 17, subfamily a, polypeptide 1 (Cyp17a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.
Molecular Mass	57.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cyp17a1 cytochrome P450, family 17, subfamily a, polypeptide 1 [Mus musculus (house mouse)]
Official Symbol	Cyp17a1
Synonyms	CYP17A1; cytochrome P450, family 17, subfamily a, polypeptide 1; steroid 17-alpha-hydroxylase/17,20 lyase; CYPXVII; cytochrome P450c17; cytochrome P450, 17; cytochrome P450-C17; cytochrome P450 17A1; cytochrome P450, 17a1; steroid 17-alpha hydroxylase; Cyp17; p450c17
Gene ID	13074
mRNA Refseq	NM_007809
Protein Refseq	NP_031835
UniProt ID	P27786

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