

Recombinant Mouse Cyp21a1 Protein, Myc/DDK-tagged

Cat. No. Cyp21a1-2414M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Purified recombinant protein of mouse full-length cytochrome P450, family 21, subfamily a, polypeptide 1 (Cyp21a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| Species | Mouse |
| Source | HEK293 |
| Description | Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids. |
| Molecular Mass | 55.8 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. |

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|------------------------|---|
| Gene Name | Cyp21a1 cytochrome P450, family 21, subfamily a, polypeptide 1 [Mus musculus (house mouse)] |
| Official Symbol | Cyp21a1 |
| Synonyms | Cyp21a1; cytochrome P450, family 21, subfamily a, polypeptide 1; 21O; 21-O; 21OH; Cyp2; 21-OH; 21OHA; 21OHB; Cyp21; Oh21-; Cyp21B; Oh21-1; Oh21-2; CYP21OH-A; Cyp21-ps1; Cyp21a2ps; Cyp21a2-ps; steroid 21-hydroxylase; 21-OHase; 21-hydroxylase; cytochrome P-450; cytochrome P-450c21; cytochrome P450 21; cytochrome P450 XXI; cytochrome P450 hydroxylase A; cytochrome P450, 21, pseudogene; cytochrome P450, 21, steroid 21 hydroxylase; cytochrome P450, family 21, subfamily a, polypeptide 2, pseudogene; cytochrome P450-C21; EC 1.14.14.16 |
| Gene ID | 13079 |
| mRNA Refseq | NM_009995 |
| Protein Refseq | NP_034125 |
| UniProt ID | P03940 |

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