

Recombinant Rat Cyp3a2 Protein, His-tagged

Cat. No. Cyp3a2-1300R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cyp3a2 Protein (Met1-Asn280) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Asn280
Description	Enables demethylase activity and testosterone 6-beta-hydroxylase activity. Involved in oxidative demethylation and xenobiotic metabolic process. Predicted to be located in cytoplasm. Used to study anxiety disorder. Biomarker of cholestasis and end stage renal disease. Human ortholog(s) of this gene implicated in B-lymphoblastic leukemia/lymphoma; acute lymphoblastic leukemia; chronic myeloid leukemia; and essential hypertension. Orthologous to human CYP3A5 (cytochrome P450 family 3 subfamily A member 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Cyp3a2 cytochrome P450, family 3, subfamily a, polypeptide 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Cyp3a2
Synonyms	CYP3A2; cytochrome P450, family 3, subfamily a, polypeptide 2; cytochrome P450 3A2; CYP11A2; P450-PCN2; P450/6-beta-A; cytochrome P450-PCN2; cytochrome P450/6-beta-A; testosterone 6-beta-hydroxylase; cytochrome P450, family 3, subfamily a, polypeptide 11; Cyp3a11; MGC108545;
Gene ID	266682
mRNA Refseq	NM_153312
Protein Refseq	NP_695224
UniProt ID	P05183

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