

RP03212

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Recombinant Human CYP3A4 Protein

Catalog No.: RP03212 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	1576	P08684

Tags

N-His

Synonyms

Cytochrome P450 3A4; CYP3A4;
CYP3A3

Product Information

Source	Purification
<i>E. coli</i>	≥ 90 % as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered solution of 50 mM Tris 1/1000 CHAPS. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact



www.abclonal.com

Background

CYP3A4 is an important member of the cytochrome P450 enzyme superfamily, with 33 allelic variants. Human cytochrome P450 3A4 (CYP3A4) is an important drug metabolizing enzyme involved in a number of drug-drug and food-drug interactions. Systemic inflammation has been linked to suppressed CYP3A4 activity.

Basic Information

Description

Recombinant Human CYP3A4 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Lys505) of human CYP3A4 (Accession #NP_059488.2) fused with His tag at the N-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

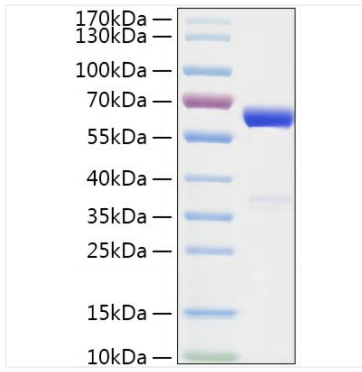
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human CYP3A4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.