Recombinant Human CYP3A4 Protein

Catalog No.: RP03212

Sequence Information

Species
Human

Gene ID
1576

Swiss Prot
P08684

Tags
N-His

Synonyms
Cytochrome P450 3A4, CYP3A4, CYP3A3

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MWObserved MW
59.2 kDa.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

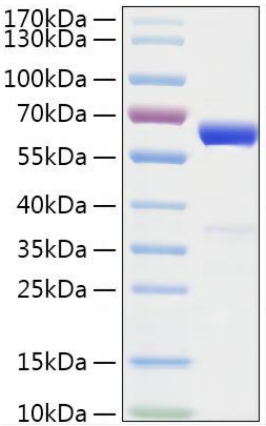
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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