

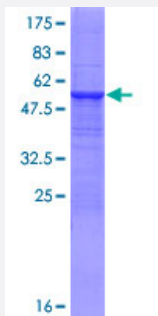
Full-Length

CYP3A43 (Human) Recombinant Protein (P01)

Catalog # H00064816-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CYP3A43 full-length ORF (AA100983.1, 1 a.a. - 280 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNLETGNGPHHFPMWRYVGEKPEAGSREQQVHQLERFLWGLHHGCNHHWHIWSSELGFSQQSTR
SLSEKYEEAFKIGFFGSLFTLNIQSLAVLPRPECMVRSGLTETSTSWVRVILLQPPEELGLQHRV
DFFQQIIDSQNSKETKSHKALSDLELVAQSIIIFAAAYDTTSTTLPFIMYELATHPDVQQKLQEEIDAVL
PNKAPVTYDALVQMEYLDMMVNETLRLFPVVSRTVTRVCKKDIEINGVFIPKGLAVMVPYALHHDP
KYWTEPEKFCPERSH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CYP3A43

Entrez GeneID [64816](#)

GeneBank Accession# [BC100982.3](#)

Protein Accession# [AAI00983.1](#)

Gene Name CYP3A43

Gene Alias MGC119315, MGC119316

Gene Description cytochrome P450, family 3, subfamily A, polypeptide 43

Omim ID [606534](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations cytochrome P450 polypeptide 43|cytochrome P450, subfamily IIIA, polypeptide 43

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)

- [gamma-Hexachlorocyclohexane degradation](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)