

# Recombinant Full Length Human CYP3A43 Protein, GST-tagged

**Cat. No.** CYP3A43-2434HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CYP3A43 full-length ORF ( AA100983.1, 1 a.a. - 280 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 280 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>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. The encoded protein has a low level of testosterone hydroxylase activity, and may play a role in aging mechanisms and cancer progression. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]</p> |
| <b>Molecular Mass</b>   | 58.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | <p>MNLETGNGPHHFFPMWRYVGEKPEAGSREQQVHQLERFLWGLHHGCNHHWHIIWSE<br/>         LGFSQQSTRSLSEKYEEAFKIGFFGSLFTLNIQSLAVLPRPECMVRSGLTETSTSWV<br/>         RVILLPQPPEELGLQHRVDFFQQIIDSQNSKETKSHKALSDLELVAQSIIFAAAYDTTS<br/>         TTLPFIMYELATHPDVQQKLQEEIDAVLPNKAPVTYDALVQMEYLDMMVNETLRLFPV</p>                                                                                                                                                                                                                                                                                                            |

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VSRVTRVCKKDIEINGVFIPKGLAVMVPIYALHHDPKYWTEPEKFCPERSH

**Applications**

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

**Notes**

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

**Storage**

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

**Storage Buffer**

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

## GENE INFORMATION

**Gene Name**

CYP3A43 cytochrome P450, family 3, subfamily A, polypeptide 43 [ Homo sapiens ]

**Official Symbol**

CYP3A43

**Synonyms**

CYP3A43; cytochrome P450, family 3, subfamily A, polypeptide 43; cytochrome P450, subfamily IIIA, polypeptide 43; cytochrome P450 3A43; cytochrome P450 polypeptide 43; MGC119315; MGC119316;

**Gene ID**

64816

**mRNA Refseq**

NM\_022820

**Protein Refseq**

NP\_073731

**MIM**

606534

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UniProt ID

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