

Product datasheet

Recombinant Human Cytochrome P450 1A2 protein ab158245

[1 Image](#)

Description

Product name	Recombinant Human Cytochrome P450 1A2 protein
Purity	> 99 % Proprietary Purification.
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MALSQSVPFSAPELLLASAIFCLVFWVLKGLRPRVPKGLK SPPEPWGWPL LGHVLTLGKNPHLALS RMSQRYGDVLQIRIDSTPVLVLSRL DTIRQALVR QGDDFKGRPDLYTSTLITDGQSLTFSTDSGPVWAARRRLA QNALNTFSIA SDPASSSSCYLEEHVSKEAKALISRLQELMAGPGHFDPY NQVVVSVANVI GAMCFGQHFPESSEMLSLVKNTHEFVETASSGNPLDFF PILRYLPNPAL QRFKAFNQRFLWFLQKTVQEHYQDFDKNSVRDITGALFK HSKKGPRASGN LIPQEKIVNLVNDIFGAGFDTVTTAISWSLMLVTKPEIQRKI QKELDTV IGRERRPRLSDRPQLPYLEAFILETFRHSSFLPFTIPHSTTR DDTLNGFY IPKKCCVFVNQWQVNHDPPELWEDPSEFRPERFLTADGT AINKPLSEKMML FGMGKRRCIGEV LAKWEIFLFLAILLQQLEFSVPPGVKVDL TPIYGLTMK HARCEHVQARLRFSIN</p>
Amino acids	1 to 516
Tags	GST tag N-Terminus

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab158245** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	

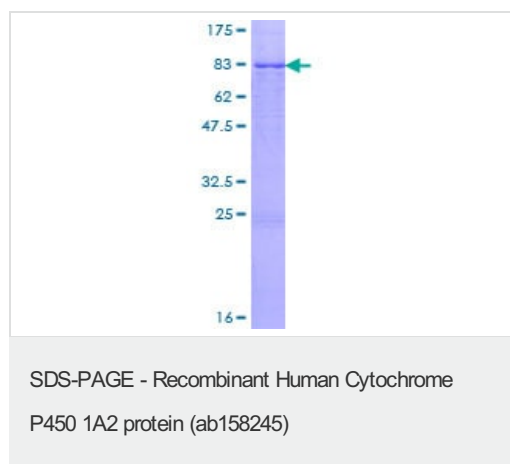
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Most active in catalyzing 2-hydroxylation. Caffeine is metabolized primarily by cytochrome CYP1A2 in the liver through an initial N3-demethylation. Also acts in the metabolism of aflatoxin B1 and acetaminophen. Participates in the bioactivation of carcinogenic aromatic and heterocyclic amines. Catalyzes the N-hydroxylation of heterocyclic amines and the O-deethylation of phenacetin.
Tissue specificity	Liver.
Sequence similarities	Belongs to the cytochrome P450 family.
Cellular localization	Endoplasmic reticulum membrane. Microsome membrane.

Images



ab158245 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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