

Recombinant Human CYP1A1

Catalog No: #GP10344



Package Size: #GP10344-1 100ug

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Description

Product Name	Recombinant Human CYP1A1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human cytochrome P450, family 1, subfamily A, polypeptide 1
Target Name	cytochrome P450, family 1, subfamily A, polypeptide 1
Other Names	AHH, AHRR, CP11, CYP1, P1-450, P450-C, P450DX
Accession No.	Swissprot:P04798Gene Accession:BC023019
Uniprot	P04798
GenID	1543;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene, CYP1A1, 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 protein localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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