

enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced. This gene undergoes readthrough transcription with the downstream CYP3AP1 pseudogene, resulting in an isoform with a novel C-terminus, as represented in GeneID:100861540. [provided by RefSeq, Feb 2012]

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.

Subcellular Location:

Endoplasmic reticulum membrane. Microsome membrane.

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

P24462

Gene ID:

1551

Database links:

[Entrez Gene: 1551](#) Human

[Omim: 605340](#) Human

[SwissProt: P24462](#) Human

[Unigene: 111944](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.