

Cytochrome P450 3A4

Catalog No: #AP78445

Package Size: #AP78445-1 50ug #AP78445-2 100ug #AP78445-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Cytochrome P450 3A4
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant Protein
Other Names	CYP3A3,1.14.13.157,1.14.13.67,1.14.13.97,1.14.13.32,1.14.14.1,1,8-cineole 2-exo-monooxygenase,Cytochrome P450-PCN1,Nifedipine oxidase,Quinine 3-monooxygenase,Taurochenodeoxycholate 6-alpha-hydroxylase,Albendazole monooxygenase,Albendazole sulfoxidase,CYP3A3,CYP3A4,Cholesterol 25-hydroxylase,Cytochrome P450 3A3,Cytochrome P450 HLp,Cytochrome P450 NF-25
Accession No.	P08684Gene name:CYP3A4
Uniprot	P08684
GeneID	1576;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulphoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Acts as a 1,8-cineole 2-exo-monooxygenase. The enzyme also hydroxylates etoposide (PubMed:11159812). Catalyzes 4-beta-hydroxylation of cholesterol. May catalyze 25-hydroxylation of cholesterol in vitro (PubMed:21576599).

References

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Note: This product is for in vitro research use only