

Recombinant Human CYP4F2 Protein, His-tagged

Cat. No. CYP4F2-1302H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP4F2 Protein (Met1-Asp252) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asp252
Description	<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. This protein localizes to the endoplasmic reticulum. The enzyme starts the process of inactivating and degrading leukotriene B4, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F11, is approximately 16 kb away.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.7 kDa Accurate Molecular Mass: 31 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CYP4F2 cytochrome P450, family 4, subfamily F, polypeptide 2 [Homo sapiens (human)]
Official Symbol	CYP4F2
Synonyms	CYP4F2; cytochrome P450, family 4, subfamily F, polypeptide 2; cytochrome P450, subfamily IVF, polypeptide 2; leukotriene-B(4) omega-hydroxylase 1; CYP4F2; cytochrome P450 4F2; cytochrome P450-LTB-omega; leukotriene-B4 20-monooxygenase; leukotriene B4 omega-hydroxylase; leukotriene-B(4) 20-monooxygenase 1; CPF2;
Gene ID	8529
mRNA Refseq	NM_001082
Protein Refseq	NP_001073

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MIM	604426
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UniProt ID	P78329
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