

Recombinant Human CYP26B1, His-tagged

Cat. No. CYP26B1-11769H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP26B1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	104-300a.a.
Description	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and the synthesis of cholesterol, steroids and other lipids. The enzyme encoded by this gene is involved in the specific inactivation of all-trans-retinoic acid to hydroxylated forms, such as 4-oxo-, 4-OH-, and 18-OH-all-trans-retinoic acid.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	CYP26B1 cytochrome P450, family 26, subfamily B, polypeptide 1 [Homo sapiens]
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Official Symbol	CYP26B1
Synonyms	CYP26B1; cytochrome P450, family 26, subfamily B, polypeptide 1; cytochrome P450 26B1; P450RAI 2; cytochrome P450 26A2; cytochrome P450RAI-2; cytochrome P450 CYP26B1 variant 2; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 2; cytochrome P450 retinoid metabolizing protein; RHFCA; CYP26A2; P450RAI2; P450RAI-2; MGC129613; DKFZp686G0638;
Gene ID	56603
mRNA Refseq	NM_019885
Protein Refseq	NP_063938
MIM	605207
UniProt ID	Q9NR63
Chromosome Location	2p12
Pathway	Adipogenesis, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem;
Function	electron carrier activity; heme binding; metal ion binding; retinoic acid 4-hydroxylase activity; retinoic acid binding;

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