Recombinant Human CYP26B1 293 Cell Lysate

Cat. No. CYP26B1-7120HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cytochrome P450, family 26, subfamily B, polypeptide 1 (CYP26B1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CYP26B1 cytochrome P450, family 26, subfamily B, polypeptide 1 [Homo sapiens]
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

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	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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