

Recombinant Full Length Human CYP26B1 Protein, GST-tagged

Cat. No. CYP26B1-2325HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP26B1 full-length ORF (NP_063938.1, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	512 amino acids
Description	This gene encodes a member of the cytochrome P450 superfamily. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The encoded protein is localized to the endoplasmic reticulum, and functions as a critical regulator of all-trans retinoic acid levels by the specific inactivation of all-trans retinoic acid to hydroxylated forms. Mutations in this gene are associated with radiohumeral fusions and other skeletal and craniofacial anomalies, and increased levels of the encoded protein are associated with atherosclerotic lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]
Molecular Mass	83.9 kDa
AA Sequence	MLFEGLDLVSAATLAACLVSVTLTLLAVSQQLWQLRWAATRDKSKLPIPKGSMGFP LIGETGHWLLQGSGFQSSRREKYGNVFKTHLLGRPLIRVTGAENVRKILMGEHHLVS TEWPRSTRMLLGPNTVSNISIGDIHRNKRKVFVSKIFSHEALESYLPKIQLVIQDTLRAW

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SSHPEAINVYQEAQKLTFRMAIRVLLGFSIPEEDLGHLFEVYQQFVDNVFSLPVDLPF
SGYRRGIQARQILQKGLEKAIREKLQCTQGKDYLDA LDLI ESSKEHGKEMTMQELK
DGTLELIFAAYATTASASTSLIMQLLKHPTVLEKLRDELRAHGILHSGGCPCEGTLRLD
TSLGLRYLDCVIKEVMRLFTPISGGYRTVLQTFELDGFQIPKGWSVMYSIRDTHDTAP
VFKDVNVFDPDRFSQARSEDKDGRFHLYLPFGGGVRTCLGKHLAKLFLKVLAVELAS
TSRFELATRTFPRITLVPVLHPVDGLSVKFFGLDSNQNEILPETEAMLSATV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_019885
Protein Refseq	NP_063938
MIM	605207
UniProt ID	Q9NR63

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