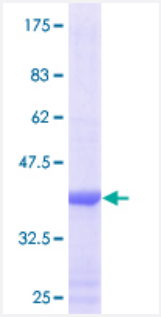
CYP26B1 (Human) Recombinant Protein (Q01)

Catalog # H00056603-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CYP26B1 partial ORF (NP_063938, 131 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SNSIGDIHRNKRKVFSKIFSHEALESYLPKIQLVIQDTLRAWSSHPEAINVYQEAQKLTFRMAIRVLLG FSIPEEDLGHLFEVYQQFVDNVFSLPVDLPF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CYP26B1

Entrez GeneID	56603
GeneBank Accession#	NM_019885
Protein Accession#	NP_063938
Gene Name	CYP26B1
Gene Alias	CYP26A2, DKFZp686G0638, MGC129613, P450RAI-2
Gene Description	cytochrome P450, family 26, subfamily B, polypeptide 1
Omim ID	605207
Gene Ontology	Hyperlink
Gene Summary	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 an d the synthesis of cholesterol, steroids and other lipids. The enzyme encoded by this gene is invol ved in the specific inactivation of all-trans-retinoic acid to hydroxylated forms, such as 4-oxo-, 4-O H-, and 18-OH-all-trans-retinoic acid. [provided by RefSeq
Other Designations	cytochrome P450 retinoid metabolizing protein|cytochrome P450, family 26, subfamily b, polypept ide 1|retinoic acid-metabolizing cytochrome

Pathway

- Retinol metabolism

Disease

- Genetic Predisposition to Disease
- Kidney Diseases
- Meningomyelocele
- Schizophrenia
- Spinal Dysraphism
- Vitamin A Deficiency