

## Recombinant Human CYP26B1 Protein, His-Tagged

Cat. No. CYP26B1-01H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Product Overview | Recombinant Human CYP26B1 Protein, His-Tagged was expressed in E. coli cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Description      | <p>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.</p> |
| Molecular Mass   | 31.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Stability        | Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage          | Store at -80°C after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Concentration** >50 ug/mL as determined by microplate BCA method

**Storage Buffer** 50mM Tris, pH8.0, 8M Urea

## GENE INFORMATION

**Gene Name** CYP26B1 cytochrome P450 family 26 subfamily B member 1 [ Homo sapiens (human) ]

**Official Symbol** CYP26B1

**Synonyms** RHFCA; CYP26A2; P450RAI2; P450RAI-2

**Gene ID** 56603

**mRNA Refseq** NM\_001277742.2

**Protein Refseq** NP\_063938

**MIM** 605207

**UniProt ID** Q9NR63

Purified recombinant protein CYP26B1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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