

# Recombinant Human CYP26A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CYP26A1-5366H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CYP26A1 MS Standard C13 and N15-labeled recombinant protein (NP_000774) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids.</p> <p>This endoplasmic reticulum protein acts on retinoids, including all-trans-retinoic acid (RA), with both 4-hydroxylation and 18-hydroxylation activities. This enzyme regulates the cellular level of retinoic acid which is involved in regulation of gene expression in both embryonic and adult tissues. Two alternatively spliced transcript variants of this gene, which encode the distinct isoforms, have been reported.</p>
<b>Molecular Mass</b>	56 kDa
<b>AA Sequence</b>	<p>MGLPALLASALCTFVLPLLLFLAAIKLWDLYCVSGRDRSCALPLPPGTMGFPPFFGETL            QMVLQRRKFLQMRRKYGFIYKTHLFGRPVTVRVMGADNVRRILLGEHRLVSVHWPA            SVRTLGSGLSNLHDSSHKQRKKVIMRAFSREALECYVPVITEEVGSSLEQWLSCG            ERGLLVYPEVKRLMFRIAMRILLGCEPQLAGDGDSEQQLVEAFEEMTRNLFSLPIDV            PFSGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWERGERL</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQD  
 NKLDMEILEQLKYIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGWNVIYSICDT  
 HDVAEIFTNKEEFNPDRFMLPHPEDASRFSFIPFGGGLRSCVKGKEFAKILLKIFTVELA  
 RHCDWQLLNGPPTMKTSPVYPVDNLPARFTHFHGEITRTRPLEQKLISEEDLAAND  
 ILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [CYP26A1 cytochrome P450 family 26 subfamily A member 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [CYP26A1](#)

**Synonyms** CYP26A1; cytochrome P450, family 26, subfamily A, polypeptide 1; cytochrome P450, subfamily XXVIA, polypeptide 1; cytochrome P450 26A1; CP26; CYP26; P450RAI; P450RAI1; hP450RAI; cytochrome P450RAI; retinoic acid 4-hydroxylase; P450, retinoic acid-inactivating, 1; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 1;

**Gene ID** [1592](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

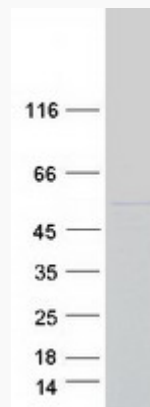
mRNA Refseq [NM\\_000783](#)

Protein Refseq [NP\\_000774](#)

MIM [602239](#)

UniProt ID [O43174](#)

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA