

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

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

SPECIFICATION

Product Overview	CYP26A1 MS Standard C13 and N15-labeled recombinant protein (NP_000774) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. 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.
Molecular Mass	56 kDa
AA Sequence	MGLPALLASALCTFVLPLLLFLAAIKLWDLYCVSGRDRSCALPLPPGTMGFPFFGETL QMLVQRRKFLQMKRRKYGFIYKTHLFG RPTVRVMGADNVRRILLGEHRLVSVHWP A SVRTLGSGLSNLHDSSHKQRKKVIMRAFSREALECYVPVITEEVGSSLEQWLSCG ERGLLVYPEVKRLMFRIAMRILLGCEPQLAGDGDSEQQLVEAFEEMTRNLFSLPIDV PFSGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWERGERL

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DMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQD
 NKLDMEILEQLKYIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGWNVIYSICDT
 HDVAEIFTNKEEFNPDRFMLPHPEDASRFSFIPFGGGLRSCVGKEFAKILLKIFTVELA
 RHCDWQLLNGPPTMKTSPTVYPVDNLPARFTHFHGEITRTRPLEQKLISEEDLAAND
 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

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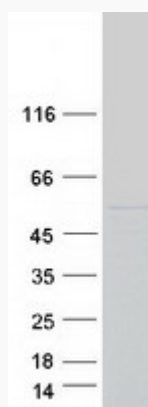
mRNA Refseq [NM_000783](#)

Protein Refseq [NP_000774](#)

MIM [602239](#)

UniProt ID [O43174](#)

SDS-PAGE



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