

Recombinant Full Length Human CYP26A1 Protein, C-Flag-tagged

Cat. No. CYP26A1-1877HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CYP26A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	56 kDa
AA Sequence	MGLPALLASALCTFVLPLLLFLAAIKLWDLYCVSGRDRSCALPLPPGTMGFPFFGETL QMVLRQRKFLQM KRRKYGFIYKTHLFGRPTVRVMGADNVRRILLGEHRLVSVHWP ASVRTILGSGCLSNLHDSSHKQRKKVI MRAFSREALECYVPVITEEVGSSLEQWLSC GERGLLVYPEVKRLMFRIAMRILLGCEPQLAGDGDSEQQV VEAFEEMTRNLFSLPID

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VPFSGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWE RGER
LDMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQ
DNKLDMEIL EQLKYIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGWNVIYSIC
DTHDVAEIFTNKEEFNPDRFM LPHPEDASRFSFIPFGGGLRSCVGKEFAKILLKIFTV
ELARHCDWQLLNGPPTMKTSPTVYPVDNLPARF THFHGEI TRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, P450, Transmembrane
Protein Pathways	Retinol metabolism
Full Length	Full L.

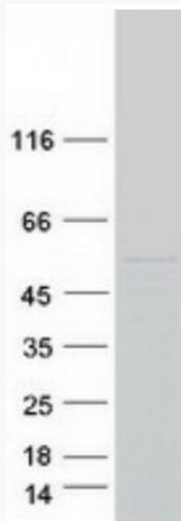
GENE INFORMATION

Gene Name	CYP26A1 cytochrome P450 family 26 subfamily A member 1 [Homo sapiens (human)]
Official Symbol	CYP26A1

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Synonyms	CP26; CYP26; P450RAI; P450RAI1
Gene ID	1592
mRNA Refseq	NM_000783.4
Protein Refseq	NP_000774.2
MIM	602239
UniProt ID	O43174
 Coomassie blue staining of purified CYP26A1 protein.	