

Product datasheet for TP316278

CYP26A1 (NM_000783) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome P450, family 26, subfamily A, polypeptide 1 (CYP26A1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216278 representing NM_000783 Red =Cloning site Green =Tags(s)

MGLPALLASALCTFVLPLLLFLAAIKLWDLYCVSGRDRSCALPLPPGTMGFPFFGETLQMVLQRRKFLQM
KRRKYGFIYKTHLFGRPVTVRVMGADNVRRILLGEHRLVSVHWPASVRTILGSGCLSNLHDSSHKQRKKVI
MRAFSREALCYVPVITEEVGSSLEQWLSCGERLLVYPEVKRLMFRIAMRILLGCEPQLAGDGDSEQQL
VEAFEEMTRNLFSLPIDVPFSGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWE
RGERLDMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQDNKLDMEIL
EQLKYIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGWNVIYSICDTHDVAEIFTNKEEFNPDRFM
LPHPEDASRFSFIPFGGGLRSCVKGFAKILLKIFTVELARHCDWQLLNGPPTMKTSPVYPVDNLPARF
THFHGEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

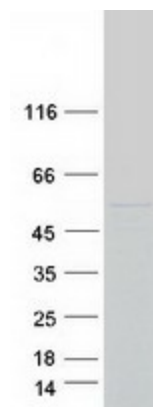
Tag:	C-Myc/DDK
Predicted MW:	56 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000774
Locus ID:	1592
UniProt ID:	O43174
RefSeq Size:	2099
Cytogenetics:	10q23.33
RefSeq ORF:	1491
Synonyms:	CP26; CYP26; P450RAI; P450RAI1
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Retinol metabolism

Product images:



Coomassie blue staining of purified CYP26A1 protein (Cat# TP316278). The protein was produced from HEK293T cells transfected with CYP26A1 cDNA clone (Cat# [RC216278]) using MegaTran 2.0 (Cat# [TT210002]).