

Product datasheet for PH316278

CYP26A1 (NM_000783) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYP26A1 MS Standard C13 and N15-labeled recombinant protein (NP_000774)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216278
Predicted MW:	56 kDa
Protein Sequence:	>RC216278 representing NM_000783 Red=Cloning site Green=Tags(s)

MGLPALLASALCTFVLP LLLFLAAIKLWDL YCVSGRDRSCALPLPPGTMGF PFFGETLQMVLR RRRKFLQM
KRRKYGF IYKTHLFG RPTV RVMGADNVR RILLGEHRLVSVHWPASVRTILGSGCLSNLHDS SHKQRKKVI
MRAFSREALECYVPVIT EEVGSSLEQWLS CGERGLLVYPEVKR LMFRIAMRILLGCEPQLAGDGDSEQQL
VEAFEEMTRNLFSLPIDVPF SGLYRGMKARNLIHARIEQNIRAKICGLRASEAGQGCKDALQLLIEHSWE
RGERLDMQALKQSSTELLFGGHETTASAATSLITYLGLYPHVLQKVREELKSKGLLCKSNQDNKLDMEIL
EQLKYIGCVIKETLRLNPPVPGGFRVALKTFELNGYQIPKGWNV IYSICDTHDVAEIFTNKEEFNPDRFM
LPHPEDASRFSFIPFGGLRSCV GKEFAKILLKIFTVELARHC DWQLLNGPPTMKT SPTVYPVDNL PARF
THFHGEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000774</u>
RefSeq Size:	2099
RefSeq ORF:	1491



[View online »](#)

Synonyms: CP26; CYP26; P450RAI; P450RAI1

Locus ID: 1592

UniProt ID: [O43174](#)

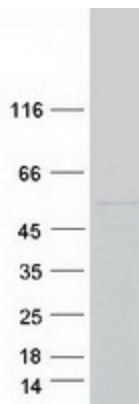
Cytogenetics: 10q23.33

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]).