



Recombinant Human Cytochrome P450 26A1 (CYP26A1)

Product Code	CSB-EP006402HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43174
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGLPALLASA LCTFVLP LLL FLAAIKLWDL YCVSGRDRSC ALPLPPGTMG FPFFGETLQM VLQRRKFLQM KRRKYGFIYK THLFG RPTVR VMGADNVRRI LLGEHRLVSV HWPASVRTIL GSGCLSNLHD SSHKQRKKVI MRAFSREALE CYVPVITEEV GSSLEQWLSC GERGLLVYPE VKRLMFRIAM RILLGCEPQL AGDGDSEQQL VEA FEEMTRN LFSLPIDVPF SGLYRGMKAR NLIHARIEQN IRAKICGLRA SEAGQGCKDA LQLLIEHSWE RGERLDMQAL KQSSTELLFG GHETTASAAT SLITYLGLYP HVLQKVREEL KSKGLLCKSN QDNKLDMEIL EQLKYIGCVI KETLRLNPPV PGGFRVALKT FELNGYQIPK GWNVIYSICD THDVAEIFTN KEEFNPD RFM LPHPEDASRF SFIPFGGGLR SCVGKEFAKI LLKIFTVELA RHCDWQLLNG PPTMKTSPTV YPVDNLPARF THFHGEI
Source	E.coli
Target Names	CYP26A1
Protein Names	Recommended name: Cytochrome P450 26A1 EC= 1.14.-.- Alternative name(s): Cytochrome P450 retinoic acid-inactivating 1 Short name= Cytochrome P450RAI Short name= hP450RAI Retinoic acid 4-hydroxylase Retinoic acid-metabo
Expression Region	1-497
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.