

## Product datasheet for **TP316976M**

### **CYP26C1 (NM\_183374) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human cytochrome P450, family 26, subfamily C, polypeptide 1 (CYP26C1), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC216976 representing NM\_183374  
**Red**=Cloning site **Green**=Tags(s)

MFPWGLSCLSVLGAAGTALLCAGLLLSLAQHLWTLRWMLSRDRASTLPLPKGSMGWPFPGETLHWLVQGS  
RFHSSRRERYGTVFKTHLLGRPVIKRVSGAENVRTILLGEHRLVRSQWPQSAHILLGSHTLLGAVGEPHRR  
RRKVLARVFSRAALERYVPRLQGALRHEVRSWCAAGGPVSVYDASKALTFRMAARILLGLRLDEAQCATL  
ARTFEQLVENLFSPLDVPFSGLRKIGIRARDQLHRHLEGAISEKLHEDKAAEPGDALDLIIHSARELGHE  
PSMQELKESAVELLFAAFFTTASASTSLVLLLLQHPAAIAKIREELVAQGLGRACGCAPGAAGGSEGPPP  
DCGCEPDLSLAALGRLRYVDCVVKVLRLLPPVSGGYRTALRTFELDGYQIPKGWSVMYSIRDTHETA  
AVYRSPPEGFDPERFGAAREDSRGASSRFHYIPFGGGARSCLGQELAQAVALQLLAVELVRTARWELATPA  
PFAAMQTVPIVHPVDGLRLFFHPLTPSVAGNGLCL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 56.9 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.

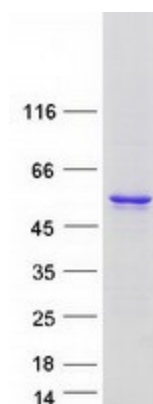
**Storage:** Store at -80°C.



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| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq:</b>           | <a href="#">NP_899230</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Locus ID:</b>         | 340665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>       | <a href="#">Q6V0L0</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 1569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cytogenetics:</b>     | 10q23.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>       | 1566                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms:</b>         | FFDD4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Summary:</b>          | 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 enzyme is involved in the catabolism of all-trans- and 9-cis-retinoic acid, and thus contributes to the regulation of retinoic acid levels in cells and tissues. This gene is adjacent to a related gene on chromosome 10q23.33. [provided by RefSeq, Jul 2008] |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Pathways:</b> | Retinol metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Product images:



Coomassie blue staining of purified CYP26C1 protein (Cat# [TP316976]). The protein was produced from HEK293T cells transfected with CYP26C1 cDNA clone (Cat# [RC216976]) using MegaTran 2.0 (Cat# [TT210002]).