

# Recombinant Human CYP4Z1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CYP4Z1-2329H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

CYP4Z1 MS Standard C13 and N15-labeled recombinant protein (NP\_835235) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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 gene is part of a cluster of cytochrome P450 genes on chromosome 1p33.

### Molecular Mass

58.9 kDa

### AA Sequence

```
MEPSWLQELMAHPFLLLLCMSLLLQVIRLYQRRRWIRALHLFPAPPAHWFYGH
KEFYVPKFEFEVYHKLMEKYPCAVPLWVGPFTMFFSVHDPDYAKILLKRQDPKSAVS
HKILES WVGRGLVTLDGSKWKKHRQIVKPGFNISILKIFITMMSESVRMMMLNKWEEHI
AQNSRLELFQHVSLMTLDSIMKCAFSSHQGSIQLDSTLDSYLKAVFNLSKISNQRMMNN
FLHHNDLVFKFSSQGQIFSKFNQELHQFTEKVIQDRKESLKDCLKQDTTQKRRWDFL
DILLSAKSENTKDFSEADLQAEVKTFFMAGHDTTSSAISWILYCLAKYPEHQQRCD
EIRELLGDGSSITWEHLSQMPYTTMCIKECLRLYAPVVNISRLLDKPITFPDGRSLPAG
ITVFINIWALHHNPYFWEDPQVFNPLRFSRENSKIHYPYAFIPFSAGLRNCIGQHFAIIE
CKVAVALTLLRFKLAPDHSRPPQPVRQVVLKSKNGIHVFVAKKVCTRTRPLEQKLISEE
```

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DLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CYP4Z1 cytochrome P450 family 4 subfamily Z member 1 [ Homo sapiens (human) ]

**Official Symbol** CYP4Z1

**Synonyms** CYP4Z1; cytochrome P450, family 4, subfamily Z, polypeptide 1; cytochrome P450 4Z1; CYP4A20; CYP4Z1;

**Gene ID** 199974

**mRNA Refseq** NM\_178134

**Protein Refseq** NP\_835235

**MIM** 618953

**UniProt ID** Q86W10

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