

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	MEPSWLQELMAHPFLLILLCMSLLLFQVIRLYQRRRWIRALHLFPAPPAHWFYGH KEFYPVKEFEVYHKLMEKYPCAVPLWVGPFMTFFSVHDPDYAKILLKRQDPKSAVS HKILES WVGRLVTLDGSKWKKHRQIVKPGFNISILKIFITMMSESVRMMNLNKEEHI AQNSRLELFQHVSLMTLDSIMKCAFESHQGSIQLDSTLDSYLKAVFNLSKISNQRMNN FLHHNDLVFKFSSQGQIFSKFNQELHQFTEKVIQDRKESLKDCLKQDTTQKRRWDFL DILLSAKSENTKDFSEADLQAEVKTFMFAGHDTTSSAISWILYCLAKYPEHQQRCD EIRELLGDGSSITWEHLSQMPYTTMCIKECLRLYAPVVNISRLLDKPITFPDGRSLPAG ITVFINIWALHHNPYFWEDPQVFNPLRFSRENSEKIHPYAFIPFSAGLRNCIGQHFAIIE CKVAVALTLLRFKLAPDHSRPPQPVRQVVLKSKNGIHVFACKVCTRTRPLEQKLISEE

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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.

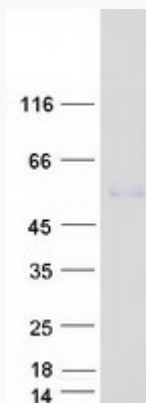
GENE INFORMATION

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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SDS-PAGE

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