

Product datasheet for PH313223

CYP4Z1 (NM_178134) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYP4Z1 MS Standard C13 and N15-labeled recombinant protein (NP_835235)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213223
Predicted MW:	58.9 kDa
Protein Sequence:	>RC213223 representing NM_178134 Red=Cloning site Green=Tags(s)

MEPSWLQELMAHPFLLLILLCMSLLLFQVIRLYQRRRWIRALHLFPAPPAHWFYGHKEFYPVKEFEVYH
KLMKYPYCAVPLWVGPFTMFFSVHDPDYAKILLKRQDPKSAVSHKILES WVRGLVTLDGSKWKKHRQIV
KPGFNISILKIFITMMSESVRMMLNKWEEHIAQNSRLELFQHVSLMTLDSIMKCAF SHQGSIQLDSTLDS
YLKAVFNL SKISNQRMNLFHNDLVFKFSSQGQIFSKFNQELHQFTEKVIQDRKESLKDCLKQDTTQKR
RWFDFLDILLSAKSENTKDFSEADLQAEVKTFMFAGHDTTSSAISWILYCLAKYPEHQQRCDREIRELLGD
GSSITWEHLSQMPYTTMCIKECLRLYAPVVNISRLDKPITFPDGRSLPAGITVF INIWALHHNPYFVED
PQVFNPLRFSRENSEKIHPYAFIPFSAGLRNCIGQHFAIIECKVAVALTLLRFKLPADHSRPPQPVRQVV
LKSNGIHFVFAKKVC

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_835235</u>
RefSeq Size:	1907
RefSeq ORF:	1515



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Synonyms: CYP4A20

Locus ID: 199974

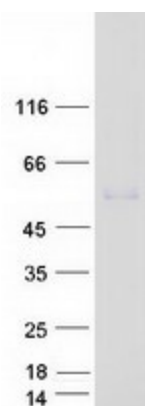
UniProt ID: [Q86W10](#)

Cytogenetics: 1p33

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 gene is part of a cluster of cytochrome P450 genes on chromosome 1p33. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, P450, Transmembrane

Product images:



Coomassie blue staining of purified CYP4Z1 protein (Cat# [TP313223]). The protein was produced from HEK293T cells transfected with CYP4Z1 cDNA clone (Cat# [RC213223]) using MegaTran 2.0 (Cat# [TT210002]).