

Recombinant Human CYP1A1 protein, His-tagged

Cat. No. CYP1A1-2789H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP1A1 protein(P04798)(1-512aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-512aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	63.7 kDa
AA Sequence	MLFPISMSATEFLLASVIFCLVFWVIRASRPQVPKGLKNPPGPWGWPLIGHMLTLGK NPHLALSRMSQQYGDVLQIRIGSTPVVVL SGLD TIRQALVRQGDDFKGRPDLYTFTLI SNGQSMSFSPDSGPVWAARRRLAQNGLSFSIASDPASSTSCYLEEHVSKEAEVLI STLQELMAGPGHFNPYRYVVVSVTNVICAICFGRRYDHNHQELLSLVNLNNNFGEVV GSGNPADFIPIRLYPNPSLNAFKDLNEKFYSFMQKMVKEHYKTFEKGHIRDITDSLIE HCQEKQLDENANVQLSDEKIINIVLDLFGAGFDTVTTAISWSLMYLMNPRVQRKIQE ELDTVIGRSRRPRLSDRSHLPYMEAFILETRHSSFPFTIPHSTTRDTSLKGFYIPKG RCVFVNQWQINHDQKLWVNPSEFLPERFLTPDGAIDKVLSEKVIIFGMGKRKCIGETI ARWEVFLFLAILLQRVEFSVPLGVKVDMTPIYGLTMKHACCEHFQMQLRS

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Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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%.

GENE INFORMATION

Gene Name	CYP1A1 cytochrome P450, family 1, subfamily A, polypeptide 1 [Homo sapiens]
Official Symbol	CYP1A1
Synonyms	CYP1A1; cytochrome P450, family 1, subfamily A, polypeptide 1; CYP1, cytochrome P450, subfamily I (aromatic compound inducible), polypeptide 1; cytochrome P450 1A1; CP11; P1 450; P450 C; P450DX; CYPIA1; cytochrome P450-C; cytochrome P450-P1; cytochrome P450 form 6; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P1-450, dioxin-inducible; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1; AHH; AHRR; CYP1; P1-450; P450-C;
Gene ID	1543
mRNA Refseq	NM_000499
Protein Refseq	NP_000490
MIM	108330

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UniProt ID

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