

Recombinant Full Length Human CYP2S1 Protein, C-Flag-tagged

Cat. No. CYP2S1-1451HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CYP2S1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 protein localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.6 kDa
AA Sequence	MEATGTWALLLALALLLLTLALSGTRARGHLPPGPTPLPLLGNLLQLRPGALYSGLM RLSKKYGPVFTI YLGPWRPVVVLVGQEAVREALGGQAEFEFSGRGTVMLEGTFDG HGVFFSNGERWRQLRKFTMLALRDLGM GKREGEELIQAEARCLVETFGTEGRPF DPSLLLAQATSNVCSLLFGLRFSYEDKEFQAVVRAAGGTLL GVSSQGGQTYEMFS WFLRPLPGPHKQLLHHVSTLAAFTVRQVQQHQGNLDASGPARDLVDAFLKMAQE E QNPGTEFTNKNMLMTVIYLLFAGTMTVSTTVGYTLLLLMKYPHVQKWVREELNRE

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LGAGQAPSLGDRTRL PYTDAVLHEAQRLALVPMGIPRTLMTTRFRGYTLPQGTE
VFPLLGSILHDPNIFKHPEEFNPDRFLDA DGRFRKHEAFLPFSLGKRVCLGEGGLAKA
ELFLFFTTILQAFSLESPCPPDTLSLKPTVSGLFNIPPAFQL
QVRPTDLHSTTQTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, P450, Transmembrane
Protein Pathways	Metabolism of xenobiotics by cytochrome P450
Full Length	Full L.

GENE INFORMATION

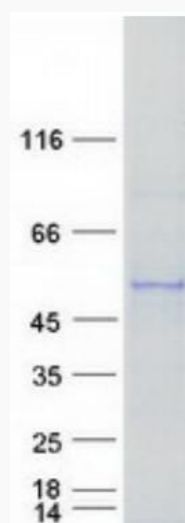
Gene Name	CYP2S1 cytochrome P450 family 2 subfamily S member 1 [Homo sapiens (human)]
Official Symbol	CYP2S1
Synonyms	CYPIIS1

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Gene ID	29785
mRNA Refseq	NM_030622.8
Protein Refseq	NP_085125.1
MIM	611529
UniProt ID	Q96SQ9



Coomassie blue staining of purified CYP2S1 protein.