

Product datasheet for PH307426

CYP2S1 (NM_030622) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | CYP2S1 MS Standard C13 and N15-labeled recombinant protein (NP_085125) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC207426 |
| Predicted MW: | 55.8 kDa |
| Protein Sequence: | >RC207426 protein sequence Red=Cloning site Green=Tags(s) |

MEATGTWALLLALALLLLTLALSGTRARGHLPPGPTPLLLGNLLQLRPGALYSGLMRLSKKYGPVFTI
YLGWPRPVVVLVGQEAVERALGGQAEFSGRGTVMAMLEGTFDGHGVFFSNGERWRQLRKFTMLALRDLGM
GKREGEELIQAEARCLVETFGTEGRPFDPSSLLLAQATSNVVCSSLFGLRF SYEDKEFQAVVRAAGTLL
GVSSQGGQTYEMFSWFLRPLPGPHKQLLHHVSTLAAFTVRQVQHQGNLDASGPARDLVDAFLKMAQEE
QNPGETFTNKNMLMTVIYLLFAGTMTVSTTVGYTLLLLMKYPHVQKVVREELNRELGAGQAPSLGDRTRL
PYTDAVLHEAQRLLALVPMGIPRTLMTTRFRGYTLPQGTEVFPLLGSILHDPNIFKHPEEFNPDRFLDA
DGRFRKHEAFLPFLGKRVCLGEGLAKAELFFFTILQAFSLESPPDLSLKPTVSGLFNIPPAFQL
QVRPTDLHSTTQTR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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| 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_085125</u> |
| RefSeq Size: | 2657 |
| RefSeq ORF: | 1512 |



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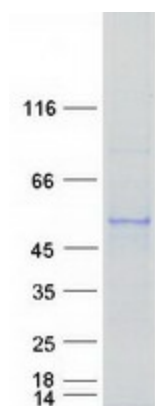
Synonyms: CYP11S1
Locus ID: 29785
UniProt ID: [Q96SQ9](#)
Cytogenetics: 19q13.2

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 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, P450, Transmembrane

Protein Pathways: Metabolism of xenobiotics by cytochrome P450

Product images:



Coomassie blue staining of purified CYP2S1 protein (Cat# [TP307426]). The protein was produced from HEK293T cells transfected with CYP2S1 cDNA clone (Cat# [RC207426]) using MegaTran 2.0 (Cat# [TT210002]).