

Recombinant Human SULT2B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SULT2B1-3490H Lot. No. (See product label)

SPECIFICATION

Product Overview

SULT2B1 MS Standard C13 and N15-labeled recombinant protein (NP_814444) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene sulfates dehydroepiandrosterone but not 4-nitrophenol, a typical substrate for the phenol and estrogen sulfotransferase subfamilies. Two alternatively spliced variants that encode different isoforms have been described.

Molecular Mass

41.3 kDa

AA Sequence

MDGPAEPQIPGLWDTYEDDISEISQKLPGEYFRYKGVPPFVGLYSLESISLAENTQD
VRDDDFIITYPKSGTTWMIEIICLILKEGDPSWIRSVPIWERAPWCETIVGAFSLPDQY
SPRLMSSHLPIQIFTKAFFSSKAKVIYMGRNPRDVVVSLYHYSKIAGQLKDPGTPDQF
LRDFLKGEVQFGSWFDHIKGWLRMKGKDNFLFITYEELQQDLQGSVERICGFLGRP
LGKEALGSSVAHSTFSAMKANTMSNYLLPSSLDDHRRGAFLRKGVCGDWKNHFTV
AQSEAFDRAYRKQMRGMPTFPWDEDPEEDGSPDPEPSPEPEPKPSLEPNTSLERE

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PRPNSSPSPSPGQASETPHPRPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [SULT2B1 sulfotransferase family 2B member 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [SULT2B1](#)

Synonyms SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; HSST2; ST2B1; sulfotransferase 2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2;

Gene ID [6820](#)

mRNA Refseq [NM_177973](#)

Protein Refseq [NP_814444](#)

MIM [604125](#)

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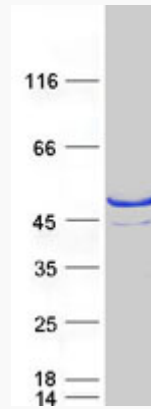
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UniProt ID

O00204

SDS-PAGE



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