

## Recombinant Human SULT2B1

Cat. No. SULT2B1-30916TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human SULT2B1 , 41.3 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	356 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	41.300kDa
<b>Tissue specificity</b>	Expressed highly in placenta, prostate and trachea and lower expression in the small intestine and lung.
<b>Form</b>	Liquid
<b>Purity</b>	by SDS-PAGE

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<b>Storage buffer</b>	pH: 7.50 Constituents: 0.32% Tris HCl, 10% Glycerol
<b>Storage</b>	Store at -20°C (desiccated conditions).
<b>Sequences of amino acids</b>	MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVVFP VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTWMIIEI CLILKEGDPS WIRSVPIWER APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR DVVVSLYHYS KIAGQLKDPG TPDQFLRDFL KGEVQFGSWF DHIKGWLRMK GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK ANTMSNYTLL PPSLLDHRRG AFLRKGVC GD WKNHFTVAQS EAFDRAYRKQ MRGMPTFPWD EDPEEDGSPD PEPSPEPEPK PSLEPNTSLE REPRPNSSPS PSPGQASETP HPRPS
<b>Sequence Similarities</b>	Belongs to the sulfotransferase 1 family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SULT2B1 sulfotransferase family, cytosolic, 2B, member 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SULT2B1</a>
<b>Synonyms</b>	SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; HSST2;
<b>Gene ID</b>	<a href="#">6820</a>
<b>mRNA Refseq</b>	<a href="#">NM_004605</a>
<b>Protein Refseq</b>	<a href="#">NP_004596</a>

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<b>MIM</b>	604125
<b>Uniprot ID</b>	O00204
<b>Chromosome Location</b>	19q13.3
<b>Pathway</b>	Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase II conjugation, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem;
<b>Function</b>	alcohol sulfotransferase activity; protein binding; steroid sulfotransferase activity; transferase activity;

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