

Recombinant Human SULT2B1

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	SULT2B1 sulfotransferase family, cytosolic, 2B, member 1 [Homo sapiens]
Official Symbol	SULT2B1
Synonyms	SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; HSST2;
Gene ID	6820
mRNA Refseq	NM_004605
Protein Refseq	NP_004596

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MIM	604125
Uniprot ID	O00204
Chromosome Location	19q13.3
Pathway	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;
Function	alcohol sulfotransferase activity; protein binding; steroid sulfotransferase activity; transferase activity;

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