

Active Recombinant Human SULT1B1 Protein

Cat. No. SULT1B1-90H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT1B1 protein without tag were coexpressed in E. coli.
Species	Human
Source	E.coli
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. However, the total genomic length of this gene is greater than that of other SULT1 genes.
Bio-activity	SULT Activity Data(Unless otherwise stated, all assays are carried out at 37 centigrade in 50 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride, 10 mM dithiothreitol and 20 μM PAPS) Substrate: 4-methylumbelliferone Linear with time up to: 15 min(Determined at 20 μM substrate, using a protein concentration of 5 μg/ml) Linear with protein up to: 100 μg/ml(Determined at 20 μM substrate, using an incubation time of 5 min) Vmax: 6.2 nmol/min/mg protein Km: 24 μM
Usage	For laboratory (research) purposes only

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Storage	Store at -80 centigrade. Avoid frequent temperature changes. Thaw on ice.
Concentration	Protein Concentration: 10 mg/ml
Storage Buffer	10 mM sodium phosphate (pH 7.4), 140 mM NaCl

GENE INFORMATION

Gene Name	SULT1B1 sulfotransferase family 1B member 1 [Homo sapiens (human)]
Official Symbol	SULT1B1
Synonyms	SULT1B1; sulfotransferase family 1B member 1; ST1B1; ST1B2; SULT1B2; sulfotransferase family cytosolic 1B member 1; sulfotransferase 1B1; sulfotransferase 1B2; sulfotransferase family, cytosolic, 1B, member 1; thyroid hormone sulfotransferase
Gene ID	27284
mRNA Refseq	NM_014465
Protein Refseq	NP_055280
MIM	608436
UniProt ID	O43704

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