

Active Recombinant Human SULT1C4 Protein

Cat. No. SULT1C4-95H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT1C4 protein without tag was expressed 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. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds.
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 20μM PAPS) Substrate: 4-methylumbelliferone Linear with time up to: 6 min(Determined at 15μM substrate, using a protein concentration of 1μg/ml) Linear with protein up to: 2.5μg/ml(Determined at 15μM substrate, using an incubation time of 5 min) Vmax: 192 nmol/min/mg protein Km: 17μM

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Usage	For laboratory (research) purposes only
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	SULT1C4 sulfotransferase family 1C member 4 [Homo sapiens (human)]
Official Symbol	SULT1C4
Synonyms	SULT1C4; sulfotransferase family 1C member 4; SULT1C; SULT1C2; sulfotransferase 1C4; ST1C4SULT1C#2; sulfotransferase 1C2; sulfotransferase family, cytosolic, 1C, member 2; sulfotransferase family, cytosolic, 1C, member 4; sulfotransferase family, cytosolic, 1C, member C2
Gene ID	27233
mRNA Refseq	NM_001321770
Protein Refseq	NP_001308699
MIM	608357
UniProt ID	O75897

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