Active Recombinant Human SULT1C2 Protein

Cat. No. SULT1C2-94H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT1C2 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. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.
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-nitrophenol Linear with time up to: 30 min(Determined at 100μM substrate, using a protein concentration of 125μg/ml) Linear with protein up to: 150μg/ml(Determined at 100μM substrate, using an incubation time of 5 min) Vmax: 7.4 nmol/min/mg protein Km: 7.5 mM

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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	SULT1C2 sulfotransferase family 1C member 2 [Homo sapiens (human)]
Official Symbol	SULT1C2
Synonyms	SULT1C2; sulfotransferase family 1C member 2; ST1C1; ST1C2; SULT1C1; humSULTC2; sulfotransferase 1C2; SULT1C#1; sulfotransferase 1; C1sulfotransferase family, cytosolic, 1C, member 1; sulfotransferase family, cytosolic, 1C, member 2
Gene ID	6819
mRNA Refseq	NM_001056
Protein Refseq	NP_001047
MIM	602385
UniProt ID	O00338

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