

Recombinant Human SULT1C4, His-tagged

Cat. No. SULT1C4-7599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT1C4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-302aa
Description	Sulfotransferase 1C4, also known as SULT1C4, belongs to the SULT subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. 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. SULT1C4 catalyzes the sulfonation of p-nitrophenol and N-hydroxy-2-acetylaminofluorene, but not dopamine.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	37.6kDa (322aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MALHDMEDFT FDGTRLSVN YVKGILQPTD TCDIWDKIWN FQAKPDDLLI STYPKAGTTW TQEIVELIQN EGDVEKSKRA PTHQRFPFLE MKIPSLGSGL EQAHAMPSPR ILKTHLPFHL LPPSLLEKNC KIIYVARNPK DNMVSYYHFQ RMNKALPAPG TWEEYFETFL AGKVCWGSWH

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EHVKGWWEAK DKHRILYLFY EDMKKNPKHE IQKLAFIGK KLDDKVLDKI
VHYTSFDVMK QNPMANYSSI PAEIMDHSIS PFMRKGA VGD WKKHFTVAQN
ERFDEDYKKK MTDTRLTFHF QF

Purity >95% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml?

GENE INFORMATION

Gene Name [SULT1C4 sulfotransferase family, cytosolic, 1C, member 4 \[Homo sapiens \]](#)

Official Symbol SULT1C4

Synonyms SULT1C4; sulfotransferase family, cytosolic, 1C, member 4; sulfotransferase family, cytosolic, 1C, member 2 , SULT1C2; sulfotransferase 1C4; SULT1C; ST1C4; SULT1C#2; sulfotransferase 1C2; sulfotransferase family, cytosolic, 1C, member 2; sulfotransferase family, cytosolic, 1C, member C2; SULT1C2; MGC34422; MGC149521;

Gene ID [27233](#)

mRNA Refseq [NM_006588](#)

Protein Refseq [NP_006579](#)

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MIM	608357
UniProt ID	O75897
Chromosome Location	2q12.3
Pathway	Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase II conjugation, organism-specific biosystem; Sulfation Biotransformation Reaction, organism-specific biosystem; metapathway biotransformation, organism-specific biosystem;
Function	sulfotransferase activity; sulfotransferase activity; sulfotransferase activity; transferase activity;

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