



Recombinant Human Sulfotransferase 1C4 (SULT1C4)

Product Code	CSB-EP022940HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75897
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MALHDMEDFT FDGTKRLSVN YVKGILQPTD TCDIWDKIWN FQAKPDDLLI STYPKAGTTW TQEIVELIQN EGDVEKSKRA PTHQRFPFLE MKIPSLGSGL EQAHAMPSPR ILKTHLPFHL LPPSLLEKNC KIIYVARNPK DNMVSYHHFQ RMNKALPAPG TWEEYFETFL AGKVCWGSWH EHVKGWWEAK DKHRILYLFY EDMKKNPKHE IQKLAFIGK KLDDKVLDKI VHYTSFDVMK QNPMANYSSI PAEIMDHSIS PFMKRGAVGD WKKHFTVAQN ERFDYKKK MTDTRLTFHF QF
Source	E.coli
Target Names	SULT1C4
Protein Names	Recommended name: Sulfotransferase 1C4 Short name= ST1C4 EC= 2.8.2.- Alternative name(s): Sulfotransferase 1C2 Short name= SULT1C#2
Expression Region	1-302
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.