



Recombinant Rat Sulfotransferase family cytosolic 1B member 1 (Sult1b1)

Product Code	CSB-MP022937RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P52847
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MGTAEDVFRK DLKIIHGYPM VYAFALGW EK IEEFQSRPCD IVIPTYPKSG TTWLSEIVDM VLNDGNVEKC KR DVITSKVP MLEQNVPGAR RSGVELLKKT PSPRIKTHL PIDLLPKSFW DNKCKMIYLA RNGKDVAVSY YHFDLMNNIQ PLPGTWEEYL EKFLAGNAVAY GSWFDHV KSW WEKREGHPIL FLYYEDLKKN PKKEIKKIAN FLDKTLDEHT LERIVHHTSF EVMKDNPLVN YTHLPTEIMD HSKSPFMRKG VVGDWKNYFT MTQSEKFD AI YKKKLSGTTL EFCTDIQSA
Source	Mammalian cell
Target Names	Sult1b1
Protein Names	Recommended name: Sulfotransferase family cytosolic 1B member 1 Short name= ST1B1 Short name= Sulfotransferase 1B1 EC= 2.8.2.- Alternative name(s): DOPA/tyrosine sulfotransferase
Expression Region	1-299
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. However, the total genomic length of this gene is greater than that of other SULT1 genes.
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.