



Recombinant Mouse Sulfotransferase 1A1 (Sult1a1)

Product Code	CSB-MP022933MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P52840
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MEPLRKPLVP VKGIPLIKYF AETMEQLQNF TAWPDDVLIS TYPKSGTNWM SEIMDMIYQG GKLDKCGRAP VYARIPFLEF SCPGVPPGLE TLKETPAPRI IKTHLPLSLL PQSLLDQKIK VIYVARNAKD VVVSYYNFYK MAKLHPDPGT WESFLENFMD GKVSYGSWYQ HVKEWWELRR THPVLVLYFYE DMKENPKREI KKILEFLGRS LPEETVDLIV HHTSFKKMKE NPMANYTTIP TEVMDHTIYP FMRKGTIGDW KNTFTVAQSE HFDAHYAKLM TGCDFTFRCQ I
Source	Mammalian cell
Target Names	Sult1a1
Protein Names	Recommended name: Sulfotransferase 1A1 Short name= ST1A1 EC= 2.8.2.1 Alternative name(s): Aryl sulfotransferase Phenol sulfotransferase Phenol/aryl sulfotransferase Short name= mSTp1 ST1A4 Sulfokinase
Expression Region	1-291
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 one of two phenol sulfotransferases with thermostable enzyme activity. Multiple alternatively spliced variants that encode two isoforms have been identified for this gene.
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.