



Recombinant Rat Sulfotransferase 1A1 (Sult1a1)

Product Code	CSB-EP022933RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17988
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MEFSRPPLVH VKGIPLIKYF AETIGPLQNF TAWPDDLLIS TYPKSGTTWM SEILDMIYQG GKLEKCGRAP IYARVPFLEF KCPGVPSGLE TLEETPAPRL LKTHLPLSLL PQSLLDQKVK VIYIARNAKD VVVSYYNFYN MAKLHPDPGT WDSFLENFMD GEVSYGSWYQ HVKEWWELRH THPVLVLYE DIKENPKREI KKILEFLGRS LPEETVDSIV HHTSFKKMKE NCMTNYTTIP TEIMDHNVSP FMRKGTGDW KNTFTVAQNE RFD AHYAKTM TDCDFKFRCE L
Source	E.coli
Target Names	Sult1a1
Protein Names	Recommended name: Sulfotransferase 1A1 Short name= ST1A1 EC= 2.8.2.1 Alternative name(s): Aryl sulfotransferase Aryl sulfotransferase IV Short name= ASTIV Minoxidil sulfotransferase Short name= Mx-ST PST-1
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.