



# Recombinant Rat Sulfotransferase 1A1 (Sult1a1)

<b>Product Code</b>	CSB-MP022933RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P17988
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEFSRPPLVH VKGIPLIKYF AETIGPLQNF TAWPDDLLIS TYPKSGTTWM SEILDMIYQG GKLEKCGRAP IYARVPFLEF KCPGVPSGLE TLEETPAPRL LKTHLPLSLL PQSLLDQKVK VIYIARNAKD VVVSYYNFYN MAKLHPDPGT WDSFLENFMD GEVSYGSWYQ HVKEWWELRH THPVLVLYFYE DIKENPKREI KKILEFLGRS LPEETVDSIV HHTSFKKMKE NCMTNYTTIP TEIMDHNVSP FMRKGTGDW KNTFTVAQNE RFDAPHYAKTM TDCDFKFRCE L
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Sult1a1
<b>Protein Names</b>	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
<b>Expression Region</b>	1-291
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.