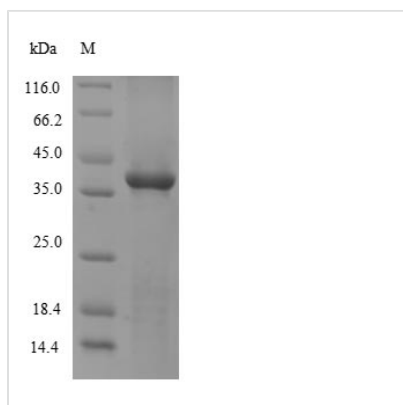




# Recombinant Mouse Sulfotransferase 1A1 (Sult1a1)

<b>Product Code</b>	CSB-EP022933MOB1
<b>Relevance</b>	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Has also estrogen sulfotransferase activity. responsible for the sulfonation and activation of minoxidil. Is Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.
<b>Abbreviation</b>	Recombinant Mouse Sult1a1 protein
<b>Storage</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.
<b>Uniprot No.</b>	P52840
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MEPLRKPLVPVKGIPLIKYFAETMEQLQNFTAWPDDVLISTYPKSGTNWMSEIM DMIYQGGKLDKCGRAPVYARIPFLEFSCPGVPPGLETCLKETPAPRIIKTHLPLSL LPQSLLDQIKVIYVARNADVVVSYYNFYKMAKLHPDPTWESFLENFMDGK VSYGSWYQHVKEWWELRRTHPVLVLFYEDMKENPKREIKKILEFLGRSLPEET VDLIVHHTSFKKMKENPMANYTTIPTVMDHTIYPFMRKGTIGDWKNTFTVAQS EHFDAHYAKLMTGCDFTFRCQI
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	Sult1a1
<b>Protein Names</b>	Aryl sulfotransferase Phenol sulfotransferase Phenol/aryl sulfotransferase
<b>Expression Region</b>	1-291aa
<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>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	39.0kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Presenting the Recombinant Mouse Sult1a1, a carefully synthesized protein tailored to advance your research in the field of Signal Transduction. This recombinant protein is derived from the Mouse species and corresponds to the full-length form of Sulfotransferase 1A1, widely recognized by other names such as ST1A1, Aryl sulfotransferase, Phenol sulfotransferase, ST1A4, and Sulfokinase. Produced in the E.coli system, this product delivers both accuracy and quality in your experimental outcomes.

The Recombinant Mouse Sult1a1 covers the entire sequence from the 1st to the 291st amino acid, providing you with the full-length version of the protein. It features an N-terminal 10xHis tag and a C-terminal Myc tag, aiding in the processes of purification and identification. The protein purity is over 85%, as established by SDS-PAGE, which validates the high-quality standards of our product. You can select either the liquid form or the lyophilized powder form based on your research needs.

## 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.