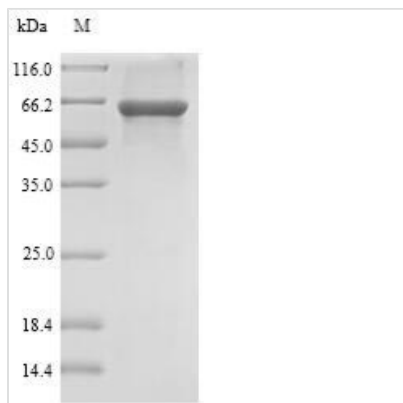




Recombinant Rat Sulfotransferase family cytosolic 1B member 1 (Sult1b1)

Product Code	CSB-EP022937RA
Relevance	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. sulfonation of DOPA, tyrosine isomers and thyroid hormones such as 3,3',5-triiodothyronine and 3,3'-diiodothyronine. May play a role in the limitation of the production of L-DOPA and L-m-tyrosine and also in facilitating their excretion.
Abbreviation	Recombinant Rat Sult1b1 protein
Storage	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.
Uniprot No.	P52847
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MGTAEDVFRKDLKIIHGYPMVYAFALGWEEKIEEFQSRPCDIVIPTYPKSGTTWL SEIVDMVLNDGNVEKCKRDVITSKVPMLEQNVPGARRSGVELLKKTPSPRIIKT HLPIDLLPKSFWDNKCKMIYLARNGKDVAVSYYHFDLMNNIQPLPGTWEEYLE KFLAGNVAYGSWFDHVKSWWKREGHPILFLYYEDLKKNPKEIKKIANFLDK TLDEHTLERIVHHTSFVEMKDNPLVNYTHLPTEIMDHSKSPFMRKGVVGDWKN YFTMTQSEKFDIYKKKLSGTTLEFCTDIQSA
Research Area	Signal Transduction
Source	E.coli
Target Names	Sult1b1
Protein Names	DOPA/tyrosine sulfotransferase
Expression Region	1-299aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	54.8 kDa
Protein Length	Full Length
Image	



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

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.