Recombinant Rat SULT1B1 Protein (1-299 aa), His-SUMO-Myc-tagged

Cat. No. SULT1B1-2374R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SULT1B1 Protein (1-299 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Rat
Source	E.coli
ProteinLength	1-299 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	54.8 kDa

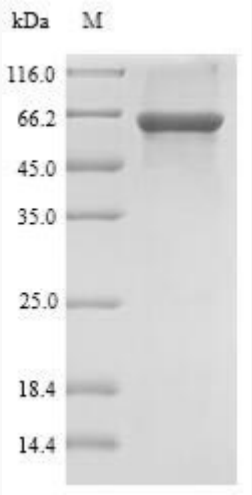
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AA Sequence	MGTAEDVFRKDLKIIHGYPMVYAFALGWEKIEEFQSRPCDIVIPTYPKSGTTWLSEIV DMVLNDGNVEKCKRDVITSKVPMLEQNVPGARRSGVELLKKTPSPRIIKTHLPIDLLP KSFWDNKCKMIYLARNGKDVAVSYYHFDLMNNIQPLPGTWEEYLEKFLAGNVAYGS WFDHVKSWWEKREGHPILFLYYEDLKKNPKKEIKKIANFLDKTLDEHTLERIVHHTSF EVMKDNPLVNYTHLPTEIMDHSKSPFMRKGVVGDWKNYFTMTQSEKFDAIYKKKLS GTTLEFCTDIQSA
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Sult1b1 sulfotransferase family 1B, member 1 [Rattus norvegicus]
Official Symbol	SULT1B1
Synonyms	SULT1B1; sulfotransferase family 1B, member 1;
Gene ID	113967
UniProt ID	P52847

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

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