

# Recombinant Rat SULT1B1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08377

**Protein Name:** Sulfotransferase 1B1 (SULT1B1)

**Aliases:** ST1B1; ST1B2; SULT1B2; sulfotransferase 1B1; sulfotransferase 1B2; thyroid hormone sulfotransferase

**UniProt ID:** O43704

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O43704/entry>

**Species Source:** Rattus norvegicus (Rat)

**Expression System:** E.coli

**Protein Length:** Full Length (1-299aa)

**Molecular Weight:** 54.8 kDa

**Protein Tag:** N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (1-299aa)

MGTAEDVFRKDLKIIHGYPMVYAFALGWEEKIEEFQSRPCDIVIPTYPKSGTTWLSEIV  
DMVLNDGNVEKCKRDVITSKVPMLEQNVPGARRSGVELLKKTPSPRIIKTHLPIDLLP  
KSFWDNKCKMIYLARNGKDVAVSYYHFDLMNNIQPLPGTWEEYLEKFLAGNVAYG  
SWFDHVKSWWWEKREGHPILFLYYEDLKKNPKKEIKKIANFLDKTLDEHTLERIVHHT  
SFEVMKDNPLVNYTHLPTEIMDHSKSPFMRKGVVGDWKNYFTMTQSEKFDAYKKK  
LSGTTLEFCTDIQSA

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause



## 5. Product Description

This product is a recombinant Rat SULT1B1 full length protein (1-299aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. SULT1B1, also known as ST1B1 or ST1B2 or SULT1B2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.