

## General Information

### Gene Name Synonym

Sulfotransferase 1B2; Thyroid hormone sulfotransferase

### Protein Construction

A DNA sequence encoding the human SULT1B1 (NP\_055280.2) (Leu 2-Ile 296) was expressed, with a N-terminal polyhistidine tag.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to transfer sulfate from PAPS to 1-Napthol.

The specific activity is > 40 pmoles/min/μg.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met 1

## Molecular Mass

The recombinant human SULT1B1 comprises 302 amino acids and has a calculated molecular mass of 35.7 kDa. It migrates as an approximately 34 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 0.1 M NaCl, 10% glycerol, 1mM DTT, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

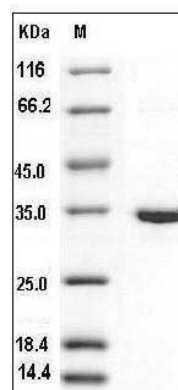
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human SULT1B1 / ST1B2 Protein (His Tag) SDS-PAGE