

## SULT1C2 Protein, Human, Recombinant (His)

### General Information

Synonyms:	Sulfotransferase 1C1;humSULTC2;SULT1C1;Sulfotransferase 1C2;SULT1C2;SULT1C#1;ST1C2
Protein Construction:	Met1-Leu296
Species:	Human
Expression Host:	E. coli
Accession:	O00338
Molecular Weight:	30-37 KDa (reducing condition)
AA Sequence:	Met1-Leu296

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.5.

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein Background

Sulfotransferase 1C2 (SULT1C2) is a cytosolic enzyme member of the Sulfotransferase 1 family. Human SULT1C2 is primarily expressed in the adult stomach, kidney and thyroid gland, and in the fetal kidney and liver. SULT1C2 catalyzes the sulfate conjugation of drugs, xenobiotic compounds, hormones, and neurotransmitters. SULT1C2 may be involved in the activation of carcinogenic hydroxylamines. It shows activity towards p-nitrophenol and N-hydroxy-2-acetyl-amino-fluorene (N-OH-2AAF).

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