

## SULT1A2 Protein, Human, Recombinant (His)

### General Information

Synonyms:	STP2;Aryl Sulfotransferase 2;ST1A2;Phenol Sulfotransferase 2;P-PST 2;Phenol-Sulfating Phenol Sulfotransferase 2;SULT1A2;Sulfotransferase 1A2
Protein Construction:	Met1-Leu295
Species:	Human
Expression Host:	E. coli
Accession:	AAI13728.1
Molecular Weight:	33 KDa (reducing condition)
AA Sequence:	Met1-Leu295

### 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 8.0.

### 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 1A2 (SULT1A2) is a member of the Sulfotransferase 1 family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. SULT1A2 is a cytoplasmic protein and exists as a homodimer. SULT1A2 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and might thus participate as a modulating factor of cancer risk.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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