



Recombinant Protein Technical Manual

Recombinant Human SULT1A2 Protein (His Tag)

RPES0299

Product Data:

Product SKU: RPES0299

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P50226

Protein Information:

Molecular Mass: 36.4 kDa

AP Molecular Mass: 33 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 100mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Sulfotransferase 1A2; ST1A2; Aryl Sulfotransferase 2; Phenol Sulfotransferase 2; Phenol-Sulfating Phenol Sulfotransferase 2; P-PST 2; SULT1A2; STP2

Immunogen Information:

Sequence: Met 1-Leu295

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.