



Recombinant Protein Technical Manual

Recombinant Human Sulfotransferase/SULT1C4 Protein (His Tag) RPES0359

Product Data:

Product SKU: RPES0359

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q6PD90

Protein Information:

Molecular Mass: 14.1 kDa

AP Molecular Mass: 14 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: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 4mM HCl.

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

Application:

Synonyms: SULT1C4;Sulfotransferase;SULT1C2;hCG_27301;;

Immunogen Information:

Sequence: Met 1-Lys102

Background:

Human Sulfotransferase (SULT1C4) is an enzyme that in humans is encoded by the SULT1C4 gene, belongs to the sulfotransferase 1 family. SULT1C4 is expressed at high levels in fetal lung and kidney and at low levels in fetal heart, adult kidney, ovary and spinal chord. Sulfotransferase utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of drugs, xenobiotic compounds, hormones, and neurotransmitters. It shows activity towards p-nitrophenol and N-hydroxy-2-acetylamino-fluorene (N-OH-2AAF). SULT1C4 plays an important role in catalyzing the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds.