



Recombinant Protein Technical Manual
Recombinant Human Sulfotransferase 4A1/SULT4A1
Protein
RPES0339

Product Data:

Product SKU: RPES0339

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9BR01

Protein Information:

Molecular Mass: 33.0 kDa

AP Molecular Mass: 34 kDa

Tag:

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 PB, 150mM NaCl, pH7.4.

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

Application:

Synonyms: Sulfotransferase 4A1; ST4A1; Brain Sulfotransferase-Like Protein; hBR-STL; hBR-STL; Nervous System Sulfotransferase; NST; SULT4A1; SULTX3

Immunogen Information:

Sequence: Met 1-Leu284

Background:

Sulfotransferase 4A1 (ST4A1) is a member of the Sulfotransferase 1 family. ST4A1 is highly expressed in the cerebral cortex and frontal lobe, but no expression is detected in the pancreas. ST4A1 is a brain-specific sulfotransferase believed to be involved in the metabolism of neurotransmitters. ST4A1 acts on catecholamines and T4 in a manner that may not involve sulfonation. ST4A1 may have a role in the metabolism of drugs and neurotransmitters in the CNS. In addition, ST4A1 is related to schizophrenia.