

Recombinant Human SULT4A1

Catalog No: CF71

Description	Recombinant Human Cytosolic Sulfotransferase Family 4A Member 1 is produced by our E.coli expression system and the target gene encoding Met1-Leu284 is expressed.
Source	E. coli
Alternative name	Sulfotransferase 4A1; ST4A1; Brain Sulfotransferase-Like Protein; hBR-STL; hBR-STL-1; Nervous System Sulfotransferase; NST; SULT4A1; SULTX3
Accession No.	Q9BR01
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
Predicted Molecular Weight	33kDa
AP Molecular Weight	34kDa, reducing conditions.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

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.

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