

## Recombinant Human SULT4A1

Catalog No: CF71

<b>Description</b>	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.
<b>Source</b>	E. coli
<b>Alternative name</b>	Sulfotransferase 4A1; ST4A1; Brain Sulfotransferase-Like Protein; hBR-STL; hBR-STL-1; Nervous System Sulfotransferase; NST; SULT4A1; SULTX3
<b>Accession No.</b>	Q9BR01
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.
<b>Predicted Molecular Weight</b>	33kDa
<b>AP Molecular Weight</b>	34kDa, reducing conditions.
<b>Quality Control</b>	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.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	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.

### SDS-Page

