

# Recombinant Human Sulfotransferase 4A1/SULT4A1 Protein



Catalog Number:PKSH033087

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

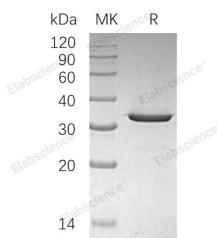
## Description

<b>Synonyms</b>	Sulfotransferase 4A1;ST4A1;Brain Sulfotransferase-Like Protein;hBR-STL;hBR-STL-1;Nervous System Sulfotransferase;NST;SULT4A1;SULTX3
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Leu284
<b>Accession</b>	Q9BR01
<b>Calculated Molecular Weight</b>	33.0 kDa
<b>Observed molecular weight</b>	34 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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Fax: 1-832-243-6017