

Recombinant Human Sulfotransferase 4A1/SULT4A1 Protein



Catalog Number:PKSH033087

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

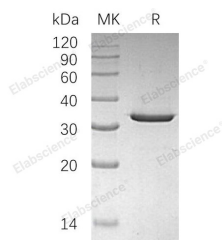
Description

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

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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, pH 7.4.
Reconstitution	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.

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