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Datasheet for ABIN1692173 **SULT4A1 Protein (AA 1-284)**

Overview

Quantity:	50 µg
Target:	SULT4A1
Protein Characteristics:	AA 1-284
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Sulfotransferase 4A1/SULT4A1
Sequence:	MAESEAETPS TPGEFESKYF EFHGVRLPPF CRGKMEEIAN FPVRPSDVWI VTYPKSGTSL LQEVVYLVSQ GADPDEIGLM NIDEQLPVLE YPQPGLDIK ELTSPRLIKS HLPYRFLPSD LHNGDSKVIY MARNPKDLVV SYYQFHRSLR TMSYRGTFQE FCRRFMNDKL GYGSWFEHVQ EFWEHRMDSN VLFLKYEDMH RDLVTMVEQL ARFLGVSCDK AQLEALTEHC HQLVDQCCSA EALPVGRGRV GLWKDIFTVS MNEKFDLVYK QKMGKCDLTF DFYL
Characteristics:	Recombinant Human Sulfotransferase 4A1/SULT4A1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Leu284) of Human SULT4A1.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SULT4A1
Alternative Name:	SULT4A1 (SULT4A1 Products)
Background:	<p>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.</p> <p>Alternative Names: Sulfotransferase 4A1, ST4A1, Brain Sulfotransferase-Like Protein, hBR-STL, hBR-STL-1, Nervous System Sulfotransferase, NST, SULT4A1, SULTX3</p>
Molecular Weight:	33 kDa
UniProt:	Q9BR01

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months