Recombinant Human SULT4A1

Cat. No. SULT4A1-199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-284 a.a.
Description	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.
Form	Supplied as a 0.2 μM filtered solution of PBS, pH 7.4
AA Sequence	MAESEAETPSTPGEFESKYFEFHGVRLPPFCRGKMEEIANFPVRPSDVWIVTYPKS GTSLLQEVV YLVSQGADPDEIGLMNIDEQLPVLEYPQPGLDIIKELTSPRLIKSHLPYR FLPSDLHNGDSKVIY MARNPKDLVVSYYQFHRSLRTMSYRGTFQEFCRRFMNDKL GYGSWFEHVQEFWEHRMDSNVLFLK YEDMHRDLVTMVEQLARFLGVSCDKAQLE ALTEHCHQLVDQCCSAEALPVGRGRVGLWKDIFTVS MNEKFDLVYKQKMGKCDLT

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	FDFYL
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	SULT4A1 sulfotransferase family 4A, member 1 [Homo sapiens]
Official Symbol	SULT4A1
Synonyms	SULT4A1; sulfotransferase family 4A, member 1; sulfotransferase 4A1; hBR STL 1; SULTX3; ST4A1; hBR-STL; nervous system sulfotransferase; sulfotransferase-related protein; brain sulfotransferase-like protein; nervous system cytosolic sulfotransferase; NST; BRSTL1; BR-STL-1; DJ388M5.3; hBR-STL-1; MGC40032;
Gene ID	25830
mRNA Refseq	NM_014351
Protein Refseq	NP_055166
MIM	608359
UniProt ID	Q9BR01
Chromosome Location	22q13.2

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Pathway	Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase II conjugation, organism-specific biosystem;
Function	sulfotransferase activity; transferase activity;

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