

Recombinant Mouse Sult2b1 Protein, Myc/DDK-tagged

Cat. No. Sult2b1-6222M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sulfotransferase family, cytosolic, 2B, member 1 (Sult2b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates hydroxysteroids such as dehydroepiandrosterone. Isoform 1 is required for production of cholesterol sulfate essential for normal skin development whereas isoform 2 produces pregnenolone sulfate, an essential neurosteroid during development of the central nervous system.
Molecular Mass	38.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Sult2b1 sulfotransferase family, cytosolic, 2B, member 1 [Mus musculus (house mouse)]

Official Symbol Sult2b1

Synonyms SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; sulfotransferase 2B; sulfotransferase 2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2; ST2B1; SULT2B; AI326997; BB173635

Gene ID 54200

mRNA Refseq NM_017465

Protein Refseq NP_059493

UniProt ID O35400

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