Active Recombinant Human SULT2A1, His-tagged

Cat. No. SULT2A1-3545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SULT2A1 fused with an N-terminal Met and 6-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the metabolism of drugs and endogenous compounds by converting these substances into more hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome.
Predicted N Terminal	Met
Formulation	Supplied as a 0.2 μm filtered solution in Tris, NaCl and EDTA.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to t-Dehydroandrosterone (DHEA). The specific activity is >15 pmol/min/μg.
Molecular Mass	Predicted Molecular Mass:35 kDa SDS-PAGE:36 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 μg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 °C as supplied. 3 months, -70 °C under sterile conditions after opening.

GENE INFORMATION

Gene Name	SULT2A1 sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 [Homo sapiens (human)]
Official Symbol	SULT2A1
Synonyms	SULT2A1; HST; ST2; STD; hSTa; DHEAS; ST2A1; ST2A3; DHEA-ST; sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1; bile salt sulfotransferase; bile-salt sulfotranasferase 2A1; alcohol/hydroxysteroid sulfotransferase; EC 2.8.2.14
Gene ID	6822
mRNA Refseq	NM_003167
Protein Refseq	NP_003158
MIM	125263
UniProt ID	Q06520
Chromosome Location	19q13.3
Pathway	Bile secretion; Biological oxidations; Chemical carcinogenesis

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Function	bile-salt sulfotransferase activity; protein binding; sulfotransferase activity

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