

## Active Recombinant Human SULT2A1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SULT2A1 fused with an N-terminal Met and 6-His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Predicted N Terminal</b>	Met
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution in Tris, NaCl and EDTA.
<b>Bio-activity</b>	Measured by its ability to transfer sulfate from PAPS to t-Dehydroandrosterone (DHEA). The specific activity is >15 pmol/min/g.
<b>Molecular Mass</b>	Predicted Molecular Mass:35 kDa SDS-PAGE:36 kDa, reducing conditions
<b>Endotoxin</b>	< 1.0 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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 sulfotransferase 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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