Active Recombinant Human SULT1E1, His-tagged

Cat. No. SULT1E1-132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SULT1E1, fused with an N-terminal 6-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that transfers a sulfo moiety to and from estrone, which may control levels of estrogen receptors.
Predicted N Terminal	His
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl and DTT.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to 1-Napthol. The specific activity is >40 pmol/min/μg.
Molecular Mass	Predicted Molecular Mass: 36 kDaSDS-PAGE: 35 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 ºC as supplied.3 months, -70 ºC under sterile conditions after opening.

GENE INFORMATION

Gene Name	SULT1E1 sulfotransferase family 1E, estrogen-preferring, member 1 [Homo sapiens (human)]
Official Symbol	SULT1E1
Synonyms	EC 2.8.2.4; EST; EST-1; MGC34459; STE; Sulfotransferase, estrogen-preferring; estrogen sulfotransferase; estrone sulfotransferase; sulfotransferase family 1E, estrogen-preferring, member 1; STE; SULT1E1
Gene ID	6783
mRNA Refseq	NM_005420
Protein Refseq	NP_005411
MIM	600043
UniProt ID	P49888
Chromosome Location	4q13.1
Pathway	Biological oxidations; Defective GCLC causes Hemolytic anemia due to gamma-glutamylcysteine synthetase deficiency (HAGGSD); Defective OPLAH causes 5-

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	oxoprolinase deficiency (OPLAHD)
Function	estrone sulfotransferase activity; steroid binding; steroid sulfotransferase activity

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