

Recombinant Human SULT1A3

Cat. No. SULT1A3-26134TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CSPS; amino acids 1-295 with additional 3 amino acids-GSH at N-terminal, 36.5kDa.
Species	Human
Source	E.coli
ProteinLength	1-295 a.a.
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 phenol sulfotransferase with thermolabile enzyme activity. Four sulfotransferase genes are located on the p arm of chromosome 16; this gene and SULT1A4 arose from a segmental duplication. This gene is the most centromeric of the four sulfotransferase genes. Read-through transcription exists between this gene and the upstream SLX1A (SLX1 structure-specific endonuclease subunit homolog A) gene that encodes a protein containing GIY-YIG domains.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM HEPES, pH 7.0

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Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	SULT1A3 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 [Homo sapiens]
Official Symbol	SULT1A3
Synonyms	SULT1A3; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3; STM; sulfotransferase 1A3/1A4; TL PST;
Gene ID	6818
mRNA Refseq	NM_177552
Protein Refseq	NP_808220
MIM	600641
Uniprot ID	P50224
Chromosome Location	16p11.2
Pathway	Activation of Chaperones by IRE1alpha, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

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