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Datasheet for ABIN7317598
SULT1E1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	SULT1E1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT1E1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SULT1E1/ST1E1 Protein (His Tag)
Sequence:	Asn 2-Ile 294
Characteristics:	A DNA sequence encoding the human SULT1E1 (NP_005411.1) (Asn 2-Ile 294) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.

Target Details

Target:	SULT1E1
Alternative Name:	SULT1E1/ST1E1 (SULT1E1 Products)
Background:	Background: Estrogen sulfotransferase, also known as Sulfotransferase, estrogen-preferring, Sulfotransferase 1E1, SULT1E1 and ST1E1, is a cytoplasm enzyme which belongs to the sulfotransferase 1 family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic

Target Details

enzymes are different in their tissue distributions and substrate specificities. SULT1E1 may control the level of the estrogen receptor by sulfurylating free estradiol. SULT1E1 maximally sulfates beta-estradiol and estrone at concentrations of 20 nM. SULT1E1 also sulfates dehydroepiandrosterone, pregnenolone, ethinylestradiol, equalenin, diethylstilbesterol and 1-naphthol, at significantly higher concentrations; however, cortisol, testosterone and dopamine are not sulfated. SULT1E1 is a key enzyme in estrogen homeostasis. It plays a central role in the prevention and development of human disease.

Synonym: EST;EST-1;MGC34459;ST1E1;STE

Molecular Weight: 36 kDa

NCBI Accession: [NP_005411](#)

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris 0.5M NaCl, 20 % glycerol, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.