

Datasheet for ABIN7317598  
**SULT1E1 Protein (His tag)**



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## 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 ( <a href="#">SULT1E1 Products</a> )
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.