

Recombinant Human Estrogen Sulfotransferase, His-tagged

Cat. No. SULT1E1-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SULT1E1, fused to His-tag at C-terminus, was expressed in E.coli and was purified by conventional chromatography, 36.1kDa (302aa).
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. Estrogen sulfotransferase may control the level of the estrogen receptor by sulfurylating free estradiol.
Sequences of amino acids	MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWVSEIVYMI YKEGDVEKCK EDVIFNRIPF LECRKENLMN GVKQLDEMNS PRIVKTHLPP ELLPASFW EK DCKIIYLCRN AKDVAVSFYY FFLMVAGHPN PGSLPEFVEK FMQGQVPYGS WYKHVKSWWE KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHHTSFQE MKNNPSTNYT TLPDEIMNQK LSPFMRKGIT GDWKNHFTVA LNEKFDKHYE QQMKESTLKF RTEILEHHHH HH
Formulation	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol.
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

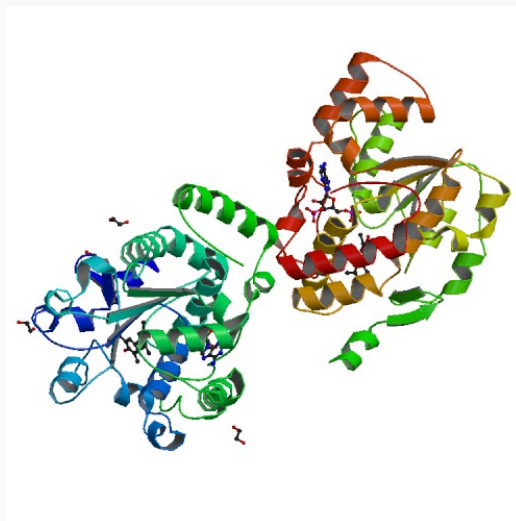
Gene Name	SULT1E1 sulfotransferase family 1E, estrogen-preferring, member 1 [Homo sapiens]
Synonyms	EC 2.8.2.4; EST; EST-1; MGC34459; STE; Sulfotransferase, estrogen-preferring; estrogen sulfotransferase; estrone sulfotransferase; sulfotransferase family 1E, estrogen-preferring, member 1; STE; SULT1E1.
Gene ID	6783
mRNA Refseq	NM_005420
Protein Refseq	NP_005411
MIM	600043
UniProt ID	P49888
Chromosome Location	4q13.1
Function	estrone sulfotransferase activity; steroid binding; steroid sulfotransferase activity; transferase activity

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PDBrendering based
on 1g3m. Available
structures:1g3m,1hy3



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