

Estrogen Sulfotransferase Recombinant Protein | SULT1E1 recombinant protein

Recombinant Human Estrogen Sulfotransferase

CATALOG # AAA38701	HOST E Coli
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PRODUCT SYNONYMS

Estrogen Sulfotransferase; Recombinant Human Estrogen Sulfotransferase; SULT1E1 Human; Estrogen Sulfotransferase Human Recombinant; EST; STE; EST-1; MGC34459; SULT1E1; Estrogen sulfotransferase; Sulfotransferase estrogen-preferring; SULT1E1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The SULT1E1 protein solution contains 20mM Tris-HCl, pH-8 and 20% Glycerol. Sterile filtered colorless solution.
Sequence	MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWVSEIVYMI YKEGDVEKCK EDVIFNRIPF LECRKENLMN GVKQLDEMNS PRIVKTHLPP ELLPASFWEK DCKIYLCRN AKDVAVSFYY FFLMVAGHPN PGSLPEFVEK FMQGQVPYGS WYKHVKSWWE KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHHTSFQE MKNNPSTNYT TLPDEIMNQK LSPFMRKGIT GDWKNHFTVA LNEKFDKHYE QQMKESTLKF RTEILEHHHH HH
Sequence Length	294
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SULT1E1 recombinant protein	Description: Recombinant Human SULT1E1 produced in E Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-294 a.a.) and having a molecular mass of 36.1 kDa. SULT1E1 is fused to 6 amino acid His Tag at C-terminus and purified by conventional chromatography techniques. Introduction: SULT1E1 catalyzes the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. SULT1E1 control the level of the estrogen receptor by sulfurylating free estradiol. maximally sulfates beta-estradiol and estrone at concentrations of 20nm. SULT1E1 in addition sulfates dehydroepiandrosterone, pregnenolone, ethinylestradiol, equalenin, diethylstilbesterol and 1-naphthol, at considerably higher concentrations; though, cortisol, testosterone and dopamine are not sulfated. Decreased SULT1E1 expression is linked with estrogen-dependent endometrial carcinomas. Altered cellular proliferation was detected in cells stably expressing SULT1E1.
Product Categories/Family for SULT1E1 recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885617
NCBI GeneID	6783
NCBI Accession #	NP_005411.1
NCBI GenBank Nucleotide #	NM_005420.2

UniProt Accession #	P49888; Q8N6X5
Molecular Weight	35,126 Da
NCBI Official Full Name	estrogen sulfotransferase
NCBI Official Synonym Full Names	sulfotransferase family 1E, estrogen-preferring, member 1
NCBI Official Symbol	SULT1E1
NCBI Official Synonym Symbols	EST; STE; EST-1; ST1E1
NCBI Protein Information	estrogen sulfotransferase; estrone sulfotransferase; sulfotransferase 1E1; sulfotransferase, estrogen-preferring
UniProt Protein Name	Estrogen sulfotransferase
UniProt Gene Name	SULT1E1
UniProt Synonym Gene Names	STE; ST1E1
UniProt Entry Name	ST1E1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sult1e1-recombinant-protein-e-coli/38701>