

Product information

Estrogen Sulfotransferase, 1-294 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0284

Full name: Sulfotransferase family 1E, estrogen-preferring, member 1

NCBI Accession No.: AAH27956

Synonyms: SULT1E1, EST, EST-1, STE, Estrogen-preferring EST-1

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. Recombinant SULT1E1, fused to His-tag at C-terminus, was expressed in *E.coli* and was purified by conventional chromatography.

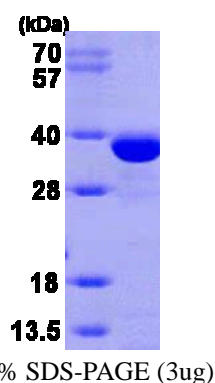
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol.

Molecular Weight: 36.1kDa (302aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



Sequences of amino acids:

MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWSEIVYMI YKEGDVEKCK EDVIFNRI PF LECRKENLMN
 GVKQLDEMNS PRIVKTHLPP ELLPASFWEK DCKIIYLGRN AKDVAVSFY FFLMVAGHPN PGSLPEFVEK FMQGQVPYGS WYKHVKSWE
 KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHTSFQE MKNNPSTNYT TLPDEIMNQK LSPFMRKGIT GDWKNHFTVA
 LNEKFDKHYE QQMKESTLKF RTEILEHHHH HH

General references:

Maiti S., *et al.* (2007) *Biochem Pharmacol.* **73**(9): 1474-81.

Adjei AA., *et al.* (2003) *Br.J Phamacol.* **139**(8): 1373-82.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.