

Estrogen Sulfotransferase, 1-294 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02053

3th Edition

Synonyms:Sulfotransferase family 1E, estrogen-preferring, member 1, 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

Sequences:

MNSELDYYEKFEFVHGILMYKDFVKYWDNVEAFQARPDDLVIATYPKSGTTWVSEIVYMIYKEGDVEKCKEDVIFNR
IPFLECRKENLMNGVKQLDEMNSPRIVKTHLPPELLPASFWEKDCKIILCRNAKDVAVSFYFFFLMVAGHPNPGSL
PEFVEKFMQGVQVYGSWYKHVKSWWEKGGKSPRVLFLFYEDLKEDIRKEVIKLIHFLERKPSEELVDRIIHHTSFQEM
KNNPSTNYTTLTPDEIMNQKLSPFMRKGITGDWKNHFTVALNEKFDKHYEQQMKESTLKFRTILEHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug 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.