Recombinant human Sulfotransferase 1E1/SULT1E1 protein

Catalog Number: ATGP0284

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-294aa

UniProt No.
P49888

NCBI Accession No.
AAH27956.1

Alternative Names
Sulfotransferase family 1E member 1, ST1E1, EST-1, Estrogen sulfotransferase, Sulfotransferase estrogen-preferring, STE, EST

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human Sulfotransferase 1E1/SULT1E1 protein

Catalog Number: ATGP0284

estradiol. Recombinant SuLT1E1, fused to His-tag at C-terminus, was expressed in E. coli and was purified by conventional chromatography.

Amino acid Sequence

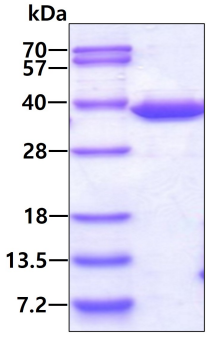
MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWVSEIVYMI YKEGDVEKCK EDVIFNRIPF LECRKENLMN GVKQLDEMNS PRIVKTHLPP ELLPASFWEK DCKIIYLCRN AKDVAVSFYY FFLMVAGHPN PGSLPEFVEK FMQGQVPYGS WYKHVKSWWE KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHHTSFQE MKNNPSTNYT TLPDEIMNQK LSPFMRKGIT GDWKNHFTVA LNEKFDKHYE QQMKESTLKF RTEI<LEHHHH 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.