
Product Data Sheet

Product Name: SULT1E1 Human
 Cat. No.: GP22271
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EST; STE; EST-1; MGC34459; SULT1E1; Estrogen sulfotransferase; Sulfotransferase estrogen-preferring.		
Amino Acid Sequence	MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWVSEIVYMI YKEGDVEKCK EDVIFNRIPF LECRKENLMN GVKQLDEMNS PRIVKTHLPP ELLPASFWEK DCKIYLCRN AKDVAVSFYF FFLMVAGHPN PGSLEPFVEK FMQGQVPYGS WYKHVKSWEW KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHHTSFQE MKNNPSTNYT TLPDEIMNQK LSPFMRKGIT GDWKNHFTVA LNEKFDKHYE QQMKESTLKF RTEILEHHHH HH.		
Formulation	The SULT1E1 protein solution contains 20mM Tris-HCl, pH-8 and 20% Glycerol.		

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. Decreased SULT1E1 expression is linked with estrogen-dependent endometrial carcinomas. Altered cellular proliferation was detected in cells stably expressing SULT1E1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

Background

Recombinant Human SULT1E1 produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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