

## Product datasheet for **TP306535M**

### Estrogen Sulfotransferase (SULT1E1) (NM\_005420) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sulfotransferase family 1E, estrogen-preferring, member 1 (SULT1E1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206535 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MNSELDYYEKFEVHGILMYKDFVKYWDNVEAFQARPDDLVIATYPKSGTTWVSEIVYMIYKEGDVEKCK  
EDVIFNRIPFLECRKENLMNGVKQLDEMNSPRIVKTHLPPELLPASFEWKDCKIILCRNAKDVAVSFYY  
FFLMVAGHPNPGSLPEFVEKFMQGVQVYGSWYKHKVSWWEKKGKSPRVLFLFYEDLKEDIRKEVIKLIHFL  
ERKPSEELVDRIIHHTSFQEMKNNPSTNYTTLPEIMNQKLSPFMRKGITGDWKNHFTVALNEKFDKHYE  
QQMKESTLKFRTET

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005411</a>
Locus ID:	6783



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UniProt ID: [P49888](#), [Q53X91](#)

RefSeq Size: 1805

Cytogenetics: 4q13.3

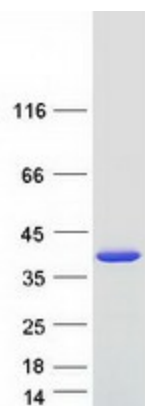
RefSeq ORF: 882

Synonyms: EST; EST-1; ST1E1; STE

**Summary:** 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. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that transfers a sulfo moiety to and from estrone, which may control levels of estrogen receptors. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Androgen and estrogen metabolism, Sulfur metabolism

### Product images:



Coomassie blue staining of purified SULT1E1 protein (Cat# [TP306535]). The protein was produced from HEK293T cells transfected with SULT1E1 cDNA clone (Cat# [RC206535]) using MegaTran 2.0 (Cat# [TT210002]).