

## 32-8201: Recombinant Human Sulfotransferase 1A1/SULT1A1 (N-6His)

**Gene :** SULT1A1

**Gene ID :** 6817

**Uniprot ID :** P50225

### Description

Source: E. coli.

MW :35.5kD.

Recombinant Human Sulfotransferase 1A1 is produced by our E.coli expression system and the target gene encoding Met1-Leu295 is expressed with a 6His tag at the N-terminus. Sulfotransferase 1A1 (SULT1A1) is a cytosolic sulfotransferases that is expressed in the liver, lung, adrenal, brain, platelets, and skin. SULT1A1 is a phenol sulfotransferases with thermostable enzyme activity. SULT1A1 utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. It is responsible for the sulfonation and activation of minoxidil. SULT1A1 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,1mM EDTA,pH 8.0.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MNHKVHHHHHMHMELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLSTYPKSGTTWVSQILDMIYQ  
GGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTHLPLALLPQTLLDQVKVYVARNADVAVS  
YYHFYHMAKVHPEPGTWDSFLEKFMVGEVSYGSWYQHVQEWELSRTHPVLYLFYEDMKENPKREIQKILEFV  
GHSLPEETVDFVVQHTSFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAEK  
MAGCSLSFRSEL

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.