

## Recombinant Human Sulfotransferase 1A1(SULT1A1)

Catalog No: #AP76722



Package Size: #AP76722-1 20ug #AP76722-2 100ug #AP76722-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Human Sulfotransferase 1A1(SULT1A1)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-295aaSequence Info:Full Length of BC000923
Other Names	Aryl sulfotransferase 1 HAST1,HAST2 Phenol sulfotransferase 1 Phenol-sulfating phenol sulfotransferase 1
Accession No.	P50225
Uniprot	P50225
GeneID	6817;
Calculated MW	61.1 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLSTYPKSGTTWVSQILDMIYQGGDLEKCHRAPI FMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTHLPLALLPQTLLDQKVKVYVARNAKDVAVSYYHFYHMAKV HPEPGTWDSFLEKFMVGEVSYGSWYQHVQEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGHSLPEET VDFVVQHTSFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAEKMAGCSLS FRSEL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Has also estrogen sulfotransferase activity. responsible for the sulfonation and activation of minoxidil. Is Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

## References

"Sequence analysis and expression of the cDNA for the phenol-sulfating form of human liver phenol sulfotransferase."

Wilborn T.W., Comer K.A., Dooley T.P., Reardon I.M., Heinrikson R.L., Falany C.N.

Mol. Pharmacol. 43:70-77(1993)Research Topic:Signal Transduction

---

Note: This product is for in vitro research use only