





# Recombinant Human Sulfotransferase 1A1 (SULT1A1)

| Product Code         CSB-EP022933HU           Relevance         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 setrogen 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.           Abbreviation         Recombinant Human SULT1A1 protein           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. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf li  |                     |  |
|--|---------------------|--|
| 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.  Abbreviation Recombinant Human SULT1A1 protein  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. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  Uniprot No. P50225  Alias Aryl sulfotransferase 1 HAST1/HAST2 Phenol sulfotransferase 1 Phenolsulfating phenol sulfotransferase 1  Product Type Recombinant Protein  Immunogen Species Homo sapiens (Human)  Purity Greater than 90% as determined by SDS-PAGE.  Sequence MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLLISTYPKSGTTWV SOILDMIYQGGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTH LPLALLPGTLLDGKVKVVYYARNAKDVAVSYYHFYHMAKVHPEPGTWDSFLEK FMVGEVSYGSWYQHVQEWWELSRTHPVLYLFYEDMHSKENPKREIQKILEFVGH SLPEETVDFVVQHTSFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDW KTTFTVAQNERFDADYAEKMAGCSLSFRSEL  Research Area Signal Transduction  Source E.coli  Target Names SULT1A1  Protein Names Recommended name: Sulfotransferase 1A1 Short name= ST1A1 EC= 2.82.1Alternative name(s): Aryl sulfotransferase 1 HAST1/HAST2 Phenol sulfotransferase 1 Phenol-sulfating phenol sulfotransferase 1 Short name= P-PST 1 ST1A3  Expression Region 1-295aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info   | <b>Product Code</b> | CSB-EP022933HU   |
| 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.  Uniprot No.  P50225  Alias  Aryl sulfotransferase 1 HAST1/HAST2 Phenol sulfotransferase 1 Phenol-sulfating phenol sulfotransferase 1  Product Type  Recombinant Protein  Immunogen Species  Homo sapiens (Human)  Purity  Greater than 90% as determined by SDS-PAGE.  Sequence  MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLLISTYPKSGTTWV SQILDMIYQGGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTH LPLALLPQTLLDQKVKVVYVARNAKDVAVSYYHFYHMAKVHPEPGTWDSFLEK FMVGEVSYGSWYQHVQEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGH SLPEETVDFVVQHTSFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDW KTTFTVAQNERFDADYAEKMAGCSLSFRSEL  Research Area  Signal Transduction  Source  E.coli  Target Names  SULT1A1  Protein Names  Recommended name: Sulfotransferase 1A1 Short name= ST1A1 EC= 2.8.2.1 Alternative name(s): Aryl sulfotransferase 1 HAST1/HAST2 Phenol sulfotransferase 1 Phenol-sulfating phenol sulfotransferase 1 Short name= P-PST 1 ST1A3  Expression Region  Notes  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal GST-tagged  | Relevance           | 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 |
| 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 | Abbreviation        | Recombinant Human SULT1A1 protein  |
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| SQILDMIYQGGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTH LPLALLPQTLLDQKVKVVYVARNAKDVAVSYYHFYHMAKVHPEPGTWDSFLEK FMVGEVSYGSWYQHVQEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGH SLPEETVDFVVQHTSFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDW KTTFTVAQNERFDADYAEKMAGCSLSFRSEL  Research Area Signal Transduction  Source E.coli  Target Names SULT1A1  Protein Names Recommended name: Sulfotransferase 1A1 Short name= ST1A1 EC= 2.8.2.1Alternative name(s): Aryl sulfotransferase 1 HAST1/HAST2 Phenol sulfotransferase 1 Phenol-sulfating phenol sulfotransferase 1 Short name= P- PST 1 ST1A3  Expression Region 1-295aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal GST-tagged  | Purity              | Greater than 90% as determined by SDS-PAGE.  |
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| 4°C for up to one week.  Tag Info  N-terminal GST-tagged   | Expression Region   | 1-295aa  |
|  | Notes               |  |
| Mol. Weight 61.1kDa  | Tag Info            | N-terminal GST-tagged  |
|  | Mol. Weight         | 61.1kDa  |



## **CUSABIO TECHNOLOGY LLC**

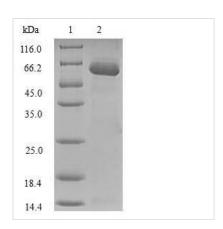




## **Protein Length**

# Full Length of BC000923

## **Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## **Shelf Life**

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