

Sulfotransferase 1A1 (Sult1a1) Recombinant Protein | Sult1a1 recombinant protein

Recombinant Rat Sulfotransferase 1A1 (Sult1a1)

CATALOG #
AAA114132

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

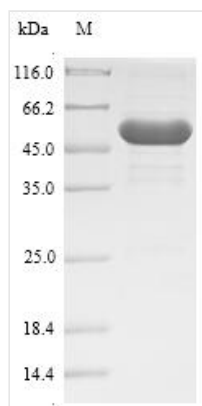
PRODUCT SYNONYMS

Sulfotransferase 1A1 (Sult1a1); Recombinant Rat Sulfotransferase 1A1 (Sult1a1); Sulfotransferase 1A1; ST1A1; EC=2.8.2.1; Aryl sulfotransferase; Aryl sulfotransferase IV; ASTIV; Minoxidil sulfotransferase; Mx-ST; PST-1; Phenol sulfotransferase; Sulfokinase; Tyrosine-ester sulfotransferase; Sult1a1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-291. Full Length
Sequence	MEFSRPPLVH VKGIPLIKYF AETIGPLQNF TAWPDDLLIS TYPKSGTTWM SEILDMIYQG GKLEKCGRAP IYARVPFLEF KCPGVPSGLE TLEETPAPRL LKTHLPLSLL PQSLDQKVK VIYIARNAKD VVVSYYNFYN MAKLHPDPTG WDSFLENFMD GEVSYGSWYQ HVKEWWELRH THPVLVLFYE DIKENPKREI KKILEFLGRS LPEETVDSIV HHTSFKKMKE NCMTNYTTIP TEIMDHNVP FMRKGTGDW KNTFTVAQNE RFDHYAKTM TDCDFKFRCE L
Species	Rattus norvegicus (Rat)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Sult1a1 recombinant protein	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.
Product Categories/Family for Sult1a1 recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13929194
NCBI GeneID	83783
NCBI Accession #	NP_114022.1
NCBI GenBank Nucleotide #	NM_031834.1
UniProt Accession #	P17988; Q548D2
Molecular Weight	53.9 kDa
NCBI Official Full Name	sulfotransferase 1A1
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
NCBI Official Symbol	Sult1a1
NCBI Official Synonym Symbols	Stm; Stp1; ASTIV; Mx-ST; PST-1; St1a1; Sult1a3
NCBI Protein Information	sulfotransferase 1A1; sulfokinase; aryl sulfotransferase IV; minoxidil sulfotransferase; Phenol sulfotransferase 1a1; tyrosine-ester sulfotransferase; sulfotransferase family 1A, phenol-preferring, member 1; sulfotransferase family, cytosolic, 1A, phenol preferring; Aryl sulfotransferase cytosolic 1A phenol-preferring member 3; sulphotransferase family cytosolic 1A phenol-prefering member 1; Aryl sulfotransferase cytosolic, 1A, phenol-preferring, member 3
UniProt Protein Name	Sulfotransferase 1A1
UniProt Gene Name	Sult1a1
UniProt Synonym Gene Names	St1a1; ST1A1; ASTIV; Mx-ST
UniProt Entry Name	ST1A1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.