Datasheet for ABIN1692225

SULT1A1 Protein (AA 1-295) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	SULT1A1
Protein Characteristics:	AA 1-295
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT1A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sulfotransferase 1A1/SULT1A1 (N-6His)
Sequence:	MNHKVHHHHH HMELIQDTSR PPLEYVKGVP LIKYFAEALG PLQSFQARPD DLLISTYPKS GTTWVSQILD MIYQGGDLEK CHRAPIFMRV PFLEFKAPGI PSGMETLKDT PAPRLLKTHL PLALLPQTLL DQKVKVVYVA RNAKDVAVSY YHFYHMAKVH PEPGTWDSFL EKFMVGEVSY GSWYQHVQEW WELSRTHPVL YLFYEDMKEN PKREIQKILE FVGHSLPEET VDFVVQHTSF KEMKKNPMTN YTTVPQEFMD HSISPFMRKG MAGDWKTTFT VAQNERFDAD YAEKMAGCSL SFRSEL
Characteristics:	Recombinant Human Sulfotransferase 1A1/SULT1A1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Leu295) of Human SULT1A1 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

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Product Details

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

Target Details

Target:	SULT1A1
Alternative Name:	SULT1A1 (SULT1A1 Products)
Sub Type:	Fusionprotein
Background:	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. Alternative Names: Sulfotransferase 1A1, ST1A1, Aryl sulfotransferase 1, HAST1/HAST2, Phenol Sulfotransferase 1, Phenol-Sulfating Phenol Sulfotransferase 1, P-PST 1, ST1A3, Thermostable Phenol Sulfotransferase, Ts-PST, SULT1A1, STP, STP1, OK/SW-cl.88
Molecular Weight:	35.5 kDa
UniProt:	P50225

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl,1 mM EDTA, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

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Handling

	Please minimize freeze-thaw cycles.
Expiry Date:	6 months

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