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Datasheet for ABIN7319309 **SULT1A1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SULT1A1
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 SULT1A1 Protein (His Tag)
Sequence:	Met 1-Leu295
Characteristics:	Recombinant Human Cytosolic Sulfotransferase Family 1A Member 1 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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SULT1A1
Alternative Name:	SULT1A1 (SULT1A1 Products)
Background:	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

Target Details

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.

Synonym: 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

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

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

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.