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Datasheet for ABIN1692213 SULT2A1 Protein (AA 2-285) (His tag)



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Quantity:	50 µg
Target:	SULT2A1
Protein Characteristics:	AA 2-285
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT2A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sulfotransferase 2A1/SULT2A1 (N-6His)
Sequence:	MNHKVHHHHH HMSDDFLWFE GIAFPTMGFR SETLRKVRDE FVIRDEDVII LTYPKSGTNW
	LAEILCLMHS KGDAKWIQSV PIWERSPWVE SEIGYTALSE TESPRLFSSH LPIQLFPKSF
	FSSKAKVIYL MRNPRDVLVS GYFFWKNMKF IKKPKSWEEY FEWFCQGTVL YGSWFDHIHG
	WMPMREEKNF LLLSYEELKQ DTGRTIEKIC QFLGKTLEPE ELNLILKNSS FQSMKENKMS
	NYSLLSVDYV VDKAQLLRKG VSGDWKNHFT VAQAEDFDKL FQEKMADLPR ELFPWE
Characteristics:	Recombinant Human Sulfotransferase 2A1/SULT2A1 is produced with our E. coli expression
	system. The target protein is expressed with sequence (Ser2-Glu285) of Human SULT2A1
	fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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Target Details	
Target:	SULT2A1
Alternative Name:	SULT2A1 (SULT2A1 Products)
Sub Type:	Fusionprotein
Background:	Bile Salt Sulfotransferase (SULT2A1(is a cytosolic enzyme that belongs to the Sulfotransferase 1 family. SULT2A1 is primarily expressed in the liver and adrenal tissues, and to a lesser extent in the kidney. SULT2A1 utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor, and it catalyze the sulfonation of steroids and bile acids in the liver and adrenal glands. SULT2A1 may have a role in the inherited adrenal androgen excess. Alternative Names: Bile Salt Sulfotransferase, Dehydroepiandrosterone Sulfotransferase, DHEA- ST, Hydroxysteroid Sulfotransferase, HST, ST2, ST2A3, Sulfotransferase 2A1, ST2A1, SULT2A1, HST, STD
Molecular Weight:	35.2 kDa
UniProt:	Q06520
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha, Monocarboxylic Acid Catabolic Process

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, 100 mM NaCl, 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. Please minimize freeze-thaw cycles.
Expiry Date:	6 months

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