

Datasheet for ABIN7562312
SULT2B1 Protein (AA 1-338) (His tag)



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Overview

Quantity:	1 mg
Target:	SULT2B1
Protein Characteristics:	AA 1-338
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT2B1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sult2b1 Protein expressed in mammalian cells.
Sequence:	MDGPQPRALW SSSEKNVSEM SWNFGGEYFR YKGIPFPVGM YSPESLSLAE NTSNVRDDDI FIVTYPKSGT NWMIEIVCLI LKGDPSWIR SEPIWQRAPW CETIISAFNV LDRSPRIMS SHLPIELFTK AFFSSKAKVI YVGRNPRDVV VSLYYYSKIA GQLKDPGTPD QFLQNFLKGE VQFGSWFDHI KGWIRMQNQE NFLFITYEEL QQDLRGSVQR ICEFLGRPLG EEALSSVVAH SAFAAMKANT MSNYSLLPAS LLDHRQGEFL RKGISGDWKN HFTVAQSEAF DSVYREQMHG VQRFPWDTSE EDSSPDGQPD PEPSPSPASD DPNPGSSQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SULT2B1
Alternative Name:	Sult2b1 (SULT2B1 Products)
Background:	<p>Sulfotransferase 2B1 (EC 2.8.2.2) (Alcohol sulfotransferase) (Hydroxysteroid sulfotransferase 2) (Sulfotransferase family cytosolic 2B member 1) (ST2B1),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation. Preferentially sulfonates cholesterol (PubMed:12639899). Catalyzes sulfation of the 3beta-hydroxyl groups of steroids, such as, pregnenolone and dehydroepiandrosterone (DHEA). Cholesterol sulfation is approximately 10-fold higher than for pregnenolone and 20-fold higher than for DHEA (PubMed:12639899). Plays a role in epidermal cholesterol metabolism and in the regulation of epidermal proliferation and differentiation (By similarity). {ECO:0000250 UniProtKB:O00204, ECO:0000269 PubMed:12639899}., FUNCTION: [Isoform 2]: Strongly sulfonates pregnenolone, however is capable to sulfonate cholesterol with a high degree of efficiency. DHEA is a relatively poor substrate. {ECO:0000269 PubMed:12639899}.</p>
Molecular Weight:	38.3 kDa
UniProt:	O35400

Target Details

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months