

Datasheet for ABIN7544031
SULT1C2 Protein (AA 1-296) (His tag)



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Overview

Quantity:	1 mg
Target:	SULT1C2
Protein Characteristics:	AA 1-296
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT1C2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SULT1C2 Protein expressed in mammalian cells.
Sequence:	MALTSDLGKQ IKLKEVEGTL LQPATVDNWS QIQSFEAKPD DLLICTYPKA GTTWIQEIVD MIEQNGDVEK CQRAIQHRH PFIEWARPPQ PSGVEKAKAM PSPRILKTHL STQLLPSPFW ENNCKFLYVA RNAKDCMVS YHFQRMNHML PDPGTWEEYF ETFINGKVVW GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ FMGKKVDETV LDKIVQETSF EKMKENPMTN RSTVSKSILD QSISSFMRKG TVGDWKNHFT VAQNERFDEI YRRKMEGTSI NFCMEL 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:	SULT1C2
Alternative Name:	SULT1C2 (SULT1C2 Products)
Background:	Sulfotransferase 1C2 (ST1C2) (EC 2.8.2.1) (Sulfotransferase 1C1) (SULT1C#1) (humSULTC2),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of phenolic compounds. Does not sulfonate steroids, dopamine, acetaminophen, or alpha-naphthol (PubMed:9852044, PubMed:10783263, PubMed:10481272). Catalyzes the sulfonation of the carcinogenic N-Hydroxy-2-acetylaminofluorene leading to highly reactive intermediates capable of forming DNA adducts, potentially resulting in mutagenesis (PubMed:9852044). {ECO:0000269 PubMed:10481272, ECO:0000269 PubMed:10783263, ECO:0000269 PubMed:9852044}.
Molecular Weight:	34.9 kDa
UniProt:	O00338

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
