Datasheet for ABIN7557324
Sult1d1 Protein (AA 1-295) (His tag)

Overview

Quantity:	1 mg
Target:	Sult1d1 (SULT1D1P)
Protein Characteristics:	AA 1-295
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sult1d1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Sult1d1 Protein expressed in mammalien cells.
Sequence:	MDNKLDVFRR ELVDVEGIPL FWSIAEHWSQ VESFEARPDD ILISTYPKSG TTWVSEILDL IYNNGDAEKC KRDAIYKRVP FMELIIPGIT NGVEMLNNMP SPRIVKTHLP VQLLPSSFWK NDCKIIYVAR NAKDVVVSYY YFYQMAKIHP EPGTWEEFLE KFMAGQVSFG PWYDHVKSWW EKRKEYRILY LFYEDMKENP KCEIQKILKF LEKDIPEEIL NKILYHSSFS VMKENPSANY TTMMKEEMDH SVSPFMRKGI SGDWKNQFTV AQYEKFEEDY VKKMEDSTLK FRSEI **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	Sult1d1 (SULT1D1P)
Alternative Name:	Sult1d1
Background:	Sulfotransferase 1 family member D1 (ST1D1) (EC 2.8.2.-) (Amine N-sulfotransferase) (SULT-N) (Dopamine sulfotransferase Sult1d1) (Tyrosine-ester sulfotransferase),FUNCTION: Sulfotransferase with broad substrate specificity that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, such as dopamine, prostaglandins, leukotriene E4, drugs and xenobiotic compounds. Has sulfotransferase activity towards p-nitrophenol, 2-naphthylamine and minoxidil (in vitro). Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. {ECO:0000269|PubMed:15087475, ECO:0000269|PubMed:18977225, ECO:0000269|PubMed:19966186, ECO:0000269|PubMed:9647753, ECO:0000269|PubMed:9920733}.
Molecular Weight:	35.1 kDa
UniProt:	Q3UZZ6

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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