

Datasheet for ABIN7554710
NDST2 Protein (AA 1-883) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NDST2
Protein Characteristics:	AA 1-883
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDST2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NDST2 Protein expressed in mammalian cells.
Sequence:	<p>MLQLWKVVRP ARQLELHRLI LLLIAFSLGS MGFLAYYVST SPKAKEPLPL PLGDCSSGGA</p> <p>AGPGPARPPV PPRPPRPPET ARTEPVVLVF VESAYSQLGQ EIVAILESSR FRYSTELAPG</p> <p>RGDMPTLTDN THGRYVLVIY ENLLKYVNLD AWSRELLDRY CVEYGVGIIG FFRAHEHSL</p> <p>SAQLKGFPLF LHSNLGLRDY QVNPSAPLLH LTRPSRLEPG PLPGDDWTIF QSNHSTYEPV</p> <p>LLASLRPAEP AVPGPVLRRR RLPTVVQDLG LHDGIQRVLF GHGLSFWLHK LIFVDAVAYL</p> <p>TGKRLCLDLD RYILVDIDDI FVGKEGTRMK VADVEALLTT QNKLRTLVPN FTFNLGFSGK</p> <p>FYHTGTEED AGDDMLLKHR KEFWWFPHMW SHMQPHLFHN RSVLADQMRL NKQFALEHGI</p> <p>PTDLGYAVAP HHSGVYPIHT QLYEAWKSVW GIQVTSTEEY PHLRPARYRR GFIHNGIMVL</p> <p>PRQTCGLFTH TIFYNEYPGG SRELDRSIRG GELFLTVLLN PISIFMTHLS NYGNDRLGLY</p> <p>TFESLVRFLQ CWTRLRLQTL PPVPLAQKYF ELFPQRSPL WQNPCDDKRH KDIWSKEKTC</p> <p>DRLPKFLIVG PQKTGTTAIH FFLSLHPAVT SSFSPSTFE EIQFFNSPNY HKGIDWYMDF</p> <p>FPVPSNASTD FLFEKSATYF DSEVPRRGA ALLPRAKIIT VLTNPADRAY SWYQHQRAGH</p>

Product Details

DPVALNYTFY QVISASSQTP LALRSLQNRCL LVPGYSTHL QRWLTYPSG QLLIVDGQEL
RTNPAASMES IQKFLGITPF LNYTRTLRFD DDKGFWCQGL EGGKTRCLGR SKGRRYPDMD
TESRLFLTDF FRNHNLELSK LLSRLGQPVP SWLREELQHS SLG **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:

- 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: NDST2

Alternative Name: NDST2 ([NDST2 Products](#))

Background: Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2 (EC 2.8.2.8) (Glucosaminyl N-deacetylase/N-sulfotransferase 2) (NDST-2) (N-heparan sulfate sulfotransferase 2) (N-HSST 2) [Includes: Heparan sulfate N-deacetylase 2 (EC 3.-.-), Heparan sulfate N-sulfotransferase 2 (EC 2.8.2.-)],FUNCTION: Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies

Target Details

the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Plays a role in determining the extent and pattern of sulfation of heparan sulfate. Required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413). {ECO:0000269|PubMed:10758005, ECO:0000269|PubMed:12634318, ECO:0000269|PubMed:16343444, ECO:0000269|PubMed:22660413}.

Molecular Weight:	100.9 kDa
UniProt:	P52849
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Glycosaminoglycan Metabolic Process

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