

Datasheet for ABIN7554701 NDST1 Protein (AA 1-882) (His tag)



Overview

Quantity:	1 mg
Target:	NDST1
Protein Characteristics:	AA 1-882
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDST1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NDST1 Protein expressed in mammalian cells.
Sequence:	MPALACLRRL CRHVSPQAVL FLLFIFCLFS VFISAYYLYG WKRGLEPSAD APEPDCGDPP
	PVAPSRLLPL KPVQAATPSR TDPLVLVFVE SLYSQLGQEV VAILESSRFK YRTEIAPGKG
	DMPTLTDKGR GRFALIIYEN ILKYVNLDAW NRELLDKYCV AYGVGIIGFF KANENSLLSA
	QLKGFPLFLH SNLGLKDCSI NPKSPLLYVT RPSEVEKGVL PGEDWTVFQS NHSTYEPVLL
	AKTRSSESIP HLGADAGLHA ALHATVVQDL GLHDGIQRVL FGNNLNFWLH KLVFVDAVAF
	LTGKRLSLPL DRYILVDIDD IFVGKEGTRM KVEDVKALFD TQNELRAHIP NFTFNLGYSG
	KFFHTGTNAE DAGDDLLLSY VKEFWWFPHM WSHMQPHLFH NQSVLAEQMA LNKKFAVEHG
	IPTDMGYAVA PHHSGVYPVH VQLYEAWKQV WSIRVTSTEE YPHLKPARYR RGFIHNGIMV
	LPRQTCGLFT HTIFYNEYPG GSSELDKIIN GGELFLTVLL NPISIFMTHL SNYGNDRLGL
	YTFKHLVRFL HSWTNLRLQT LPPVQLAQKY FQIFSEEKDP LWQDPCEDKR HKDIWSKEKT
	CDRFPKLLII GPQKTGTTAL YLFLGMHPDL SSNYPSSETF EEIQFFNGHN YHKGIDWYME
	FFPIPSNTTS DFYFEKSANY FDSEVAPRRA AALLPKAKVL TILINPADRA YSWYQHQRAH

WALKYTF HEVITAGSDA SSKLRALQNR CLVPGWYATH IERWLSAYHA NQILVLDGKL PAKVMD MVQKFLGVTN TIDYHKTLAF DPKKGFWCQL LEGGKTKCLG KSKGRKYPEM BRAFLKD YYRDHNIELS KLLYKMGQTL PTWLREDLQN TR Sequence without tag. The posed Purification-Tag is based on experiences with the expression system, a different polexity of the protein could make another tag necessary. In case you have a special post, please contact us. If are looking for a specific domain and are interested in a partial protein or a different rm, please contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a contact us regarding an individual offer. Benefits: In a partial protein or a different of a partial protein or a different on a different or a partial protein experses on a partial protein and will be made for the first time for your order. Our order in the lab try to ensure that you receive soluble protein. Benefits: Benefits
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oig advantage of ordering our made-to-order proteins in comparison to ordering custom
e proteins from other companies is that there is no financial obligation in case the protein
ot be expressed or purified.
% as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
om-made
Γ1
T1 (NDST1 Products)
ctional heparan sulfate N-deacetylase/N-sulfotransferase 1 (Glucosaminyl N- etylase/N-sulfotransferase 1) (NDST-1) (N-heparan sulfate sulfotransferase 1) (N-HSST 1) varan sulfate]-glucosamine N-sulfotransferase 1) (HSNST 1) [Includes: Heparan sulfate N-

sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate (PubMed:9230113, PubMed:9744796, PubMed:35137078). Modifies the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis (PubMed:9230113). Plays a role in determining the extent and pattern of sulfation of heparan sulfate. Participates in biosynthesis of heparan sulfate that can ultimately serve as L-selectin ligands, thereby playing a role in inflammatory response (By similarity). Required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413). {ECO:0000250|UniProtKB:Q3UHN9, ECO:0000269|PubMed:22660413, ECO:0000269|PubMed:9230113}., FUNCTION: [Isoform 3]: Lacks both N-deacetylase and Nsulfotransferase activities. Acts as a dominant negative on isoform 1, likely by changing the composition of enzyme complexes responsible for elongation and modification of heparan sulfates. {ECO:0000269|PubMed:35137078}.

We expect the protein to work for functional studies. As the protein has not been tested for

Molecular Weight:	100.9 kDa
UniProt:	P52848
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Glycosaminoglycan Metabolic
	Process

Application Details

Application Notes:

	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