

Recombinant Human NDST3 protein ab160446

1 Image

Description	
Product name	Recombinant Human NDST3 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	IGFHKTSEKSVQSFQLKGFPFSTYGNLAVKDCCINPHSPLIR VTKSSKLE KGSLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISKGA FYATIIH
Amino acids	162 to 259
Tags	GST tag N-Terminus

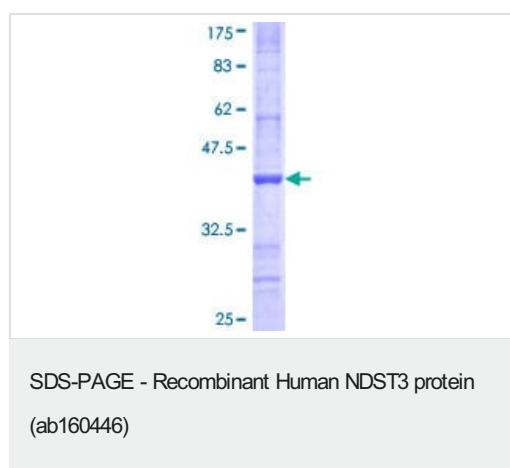
Specifications	
Our Abpromise guarantee covers the use of ab160446 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Western blot ELISA
Form	Liquid
Additional notes	

Preparation and Storage	
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General info

Function	Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Has high deacetylase activity but low sulfotransferase activity.
Tissue specificity	Expressed in brain, kidney, liver, fetal and adult lung, adult pancreas, placenta, fetal spleen and fetal thymus. Not detected in adult/ fetal heart and skeletal muscle.
Pathway	Glycan metabolism; heparan sulfate biosynthesis. Glycan metabolism; heparin biosynthesis.
Sequence similarities	Belongs to the sulfotransferase 1 family. NDST subfamily.
Cellular localization	Golgi apparatus membrane.

Images



ab160446 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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