

Product datasheet

Recombinant Human NDST3 protein ab160446

1 Image

Overview

Product name	Recombinant Human NDST3 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	IGFHKTSEKSVQSFQLKGFPPFSIYGNLAVKDCCINPHS PLIRVTKSSKLE KGSLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISK GAFYATIIH
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	Protein concentration is above or equal to 0.05 mg/ml.

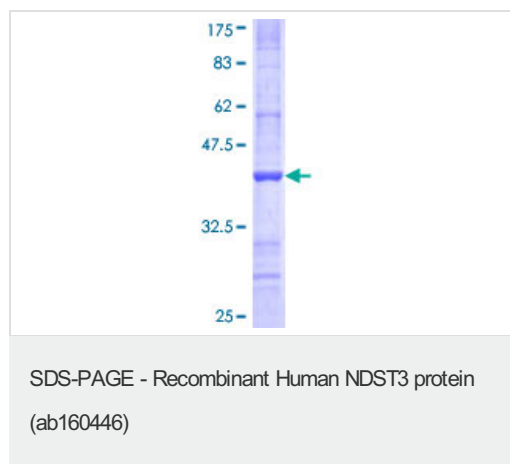
Preparation and Storage

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
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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.

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