Creative Enzymes
Diagnostic Enzymes

N-Deacetylase/N-Sulfotransferase 2 (NDST2)

Product Information

Cat#	DIA-779
Descriptions	N-Deacetylase/N-Sulfotransferase 2 (NDST2) is a predominant isoform in mast cells that mediates highly sulfated heparin biosynthesis, generates tissue-specific heparan sulfate structures, and regulates storage and release of mast cell granule components.
Applications	N-Deacetylase/N-Sulfotransferase 2 (NDST2) serves as a raw material for heparin biosynthesis detection kits and mast cell granule component assay reagent development.
Enzyme Commission Number	EC 2.8.2.8
Enzyme Source	Human embryonic kidney cell, HEK293-derived human N-Deacetylase/N-Sulfotransferase 2/NDST2 protein.
Reaction	3'-phosphoadenylyl sulfate + alpha-D-glucosaminyl-[heparan sulfate] (n) = adenosine 3', 5'-bisphosphate + 2 H+ + N-sulfo-alpha-D-glucosaminyl-[heparan sulfate] (n)
Activity Definition	Measured by its ability to transfer sulfate from PAPS to heparan sulfate under the described conditions.

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