

Active Reombinant Human NDP Protein

Cat. No. NDP-489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Reombinant Human NDP Protein (25-133 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-133 aa
Description	This gene encodes a secreted protein with a cystein-knot motif that activates the Wnt/beta-catenin pathway. The protein forms disulfide-linked oligomers in the extracellular matrix. Mutations in this gene result in Norrie disease and X-linked exudative vitreoretinopathy.
Form	Disulfide-linked oligomer, Lyophilized from a 0.2 µm filtered solution in HCl.
Bio-activity	Measured by its ability to activate Wnt induced TCF reporter activity in HEK293 human embryonic kidney cells expressing human Frizzled-4 and human LRP-5. The ED50 for this effect is 30-150 ng/mL.
Molecular Mass	12.6 kDa
Endotoxin	<1.0 EU/µg of the protein by the LAL method.
Purity	> 97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 250 µg/mL in sterile 4 mM HCl.
GENE INFORMATION	
Gene Name	NDP norrin cystine knot growth factor NDP [Homo sapiens (human)]
Official Symbol	NDP
Synonyms	NDP; norrin cystine knot growth factor NDP; ND; EVR2; FEVR; norrin; NDP, norrin cystine knot growth factor; Norrie disease (pseudoglioma); X-linked exudative vitreoretinopathy 2 protein; norrie disease protein
Gene ID	4693
mRNA Refseq	NM_000266
Protein Refseq	NP_000257
MIM	300658
UniProt ID	Q00604