

Recombinant Human NDP, His-tagged

Cat. No. NDP-2290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NDP protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	132aa
Description	Norrin precursor, also known as NDP, is a secreted regulatory protein. It activates the canonical Wnt signaling pathway through FZD4 and LRP5 coreceptor. This protein plays a central role in retinal vascularization by acting as a ligand for FZD4 that signals via stabilizing beta-catenin (CTNNB1) and activating LEF/TCF-mediated transcriptional programs. It may be involved in a pathway that regulates neural cell differentiation and proliferation.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	14.8 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSKTDSSFI MDSDPRRCMR HHYVDSISHP LYKCSSKMVL LARCEGHCSQ ASRSEPLVSF STVLKQPFRSSCHCCRPQTS KLKALRLRCS GGMRLTATYR YILSCHCEEC NS
Purity	>80% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml
GENE INFORMATION	
Gene Name	NDP Norrie disease (pseudoglioma) [Homo sapiens]
Official Symbol	NDP
Synonyms	NDP; Norrie disease (pseudoglioma); EVR2, exudative vitreoretinopathy 2 (X linked); norrin; norrie disease protein; X-linked exudative vitreoretinopathy 2 protein; ND; EVR2; FEVR;
Gene ID	4693
mRNA Refseq	NM_000266
Protein Refseq	NP_000257
MIM	300658
UniProt ID	Q00604
Chromosome Location	Xp11.4-p11.3
Function	cell surface binding; cytokine activity; frizzled binding; growth factor activity; protein homodimerization activity;

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