

NDP, 25-133aa, Human, His tag, E.coli

Cat.NO.: TP03118

3th Edition

Synonyms:Norrin, EVR2, FEVR, ND

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. Recombinant human NDP protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:14.8 kDa (132aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSKTDSSFIMDSPPRCMRHHYVDSISHPLYKCSSKMVLLARCEGHCSQASRS
EPLVSFSTVLKQPFRSSCHCCRPQTSKLRLLRCSGGMRLTATYRYILSCHCEECS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.