

32-4305: Recombinant Human Norrie Disease

Alternative Name : Norrin,EVR2,FEVR,ND,Norrie disease protein,X-linked exudative vitreoretinopathy 2 protein,NDP,Norrie Disease.

Description

Source : Escherichia Coli. NDP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 132 amino acids (25-133) and having a molecular mass of 14.8 kDa. NDP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Norrie Disease (NDP) is a secreted regulatory protein which activates the canonical Wnt signaling pathway through FZD4 and LRP5 coreceptor. NDP takes part in retinal vascularization by acting as a ligand for FZD4 which signals through stabilizing beta-catenin (CTNNB1) and activating LEF/TCF-mediated transcriptional programs. NDP is involved in a pathway that regulates neural cell differentiation and proliferation and also in neuroectodermal cell-cell interaction.

Product Info

Amount : 10 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : The NDP solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSH MGSKTDSSFIMDSPPRCMR HHYVDSISHP LYKCSSKMVL LARCEGHCSQ ASRSEPLVSF STVLKQPFRS SCHCCRPQTS KLKALRLRCS GGMRLTATYR YILSCHCEEC NS.

