

## 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 MGSKTDSFIMDSDPRRCMR HHYVDSISHP LYKCSSKMVL LARCEGHCSQ ASRSEPLVSF STVLKQPFRS SCHCCRPQTS KLKALRLRCS GGMRLTATYR YILSCHCEEC NS.