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AR51114PU-S Human NDP (25-133, His-tag) - Purified

Alternate names: EVR2, Norrie disease protein, Norrin

Quantity: 50 µg

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

Background: 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.

Uniprot ID: Q00604

NCBI: NP_000257

GeneID: 4693

Species: Human

Source: E. coli

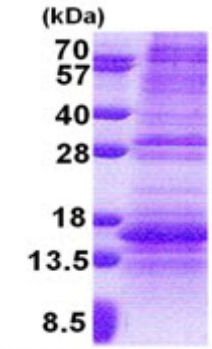
Format:
State: Liquid purified protein
Purity: >80% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description: Recombinant human NDP protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSKTDSSFI MDSDPRRCMR HHYVDSISHP LYKCSSKMVL LARCEGHCSQ ASRSEPLVSF STVLKQPFRS SCHCCRPQTS KLKALRLRCS GGMRLTATYR YILSCHCEEC NS
Molecular weight: 14.8 kDa (132aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Luhmann U F., et al. (2005) Invest Pothalmol Vis Sci. 46:3372-3382.Luhmann U F., et al. (2005) Genesis. 42:253-262

Pictures:



15% SDS-PAGE (3ug)