

Recombinant Human NDR (N-GST tag)

Cat No:HR2R1779

For research use only

Overview

Quantity	10 ?g
Gene Symbol	NDR
Gene ID	N/A
Accession	NM_007271
Alternative Name	NDR1, STK38
Species	Human
Source	Insect cells
Description	NDR or Nuclear Dbf2-related protein is a serine/threonine kinase in the subgroup of the AGC kinase family that is regulated by Mob proteins . Fas and TNFa receptor stimulation activates human NDR by promoting phosphorylation at the hydrophobic motif. NDR acts as a novel pro-apoptotic kinase, and is a key member of the RASSF1A/MST1 signaling cascade . NDR is crucial for the fidelity of mitotic chromosome alignment in mammalian cells. NDR is incorporated into the HIV-1 particles and is cleaved by the HIV-1 protease. NDR-driven centrosome duplication requires Cdk2 activity, and Cdk2-induced centrosome amplification is affected upon reduction of NDR activity.
Functions	The specific activity of NDR was determined to be 4 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	81
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.