

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.