

## **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<br>Name   | NDR1, STK38   |
| Species               | Human   |
| Source                |   |
| 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-HCI, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.  |
| Solubility            | N/A   |
| Appearance            | Liquid  |
| Molecular<br>Weight   | 81  |
| Purity                | 70% - 90%   |
| Concentration         |   |
| Shipping<br>Condition | Dry Ice   |
| Storage<br>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.   |