

NDR recombinant protein

NDR, Active

CATALOG # AAA73145	HOST Sf9 insect cells using baculovirus
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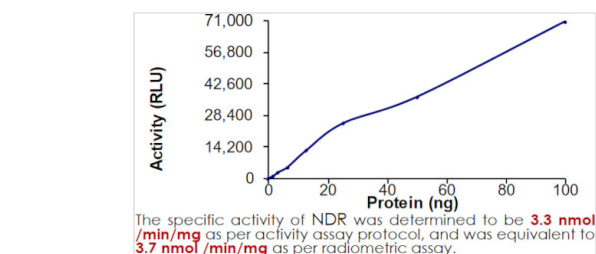
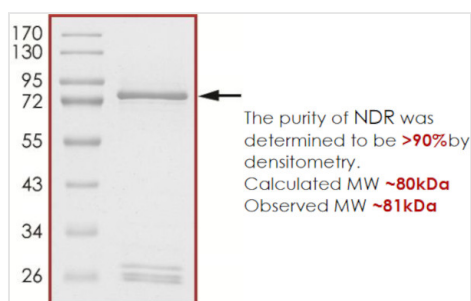
PRODUCT SYNONYMS

NDR; Active; NDR recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 ug/ul (varies by lot)
Sequence Length	3647
Species	Human
Specific Activity	3.3 nmol/min/mg
Tag	N-Terminal GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	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. Product shipped on dry ice.

IMAGES



Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for NDR recombinant protein	Description: Full-length recombinant human NDR1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_007271. Scientific Background: 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 (1). Fas and TNFγ receptor stimulation activates human NDR by promoting phosphorylation at the hydrophobic motif. NDR acts as a novel pro-apoptotic kinase and key member of the RASSF1A/MST1 signaling cascade (2). NDR is crucial for the fidelity of mitotic chromosome alignment in mammalian cells and is incorporated into the HIV-1 particles and 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.
Product Categories/Family for NDR recombinant protein	Enzymes; Active Kinases
References	1. Millward, T. et.al: Molecular cloning and characterization of a conserved nuclear serine (threonine) protein kinase. Proc. Nat. Acad. Sci. 92: 5022-5026, 1995. 2. Vichalkovski A. et al: NDR kinase is activated by RASSF1A/MST1 in response to Fas receptor stimulation and promotes apoptosis. Curr Biol. 2008 Dec 9;18 (23):1889-95.

NCBI AND UNIPROT INFORMATION

NCBI GI #	760997935
NCBI GeneID	11329
NCBI Accession #	NM_007271.3
NCBI GenBank Nucleotide #	NM_007271
UniProt Accession #	Q15208; Q503A1
NCBI Official Full Name	Homo sapiens serine/threonine kinase 38 (STK38), transcript variant 1, mRNA
NCBI Official Synonym Full Names	serine/threonine kinase 38
NCBI Official Symbol	STK38
NCBI Official Synonym Symbols	NDR; NDR1
NCBI Protein Information	serine/threonine-protein kinase 38
UniProt Protein Name	Serine/threonine-protein kinase 38
UniProt Gene Name	STK38

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/stk38-recombinant-protein-sf9-insect-cells-using-baculovirus/73145>