

Datasheet for ABIN7490711  
**DDR1 Protein (AA 21-416) (His tag)**



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1 Image

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg                                      |
| Target:                       | DDR1  |
| Protein Characteristics:      | AA 21-416                                   |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This DDR1 protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant human DDR1 Protein with C-terminal 6xHis tag  |
| Specificity:     | DDR1 (Asp21-Thr416) 6xHis tag   |
| Characteristics: | Extracellular Domain Protein  |
| Purification:    | Purified from cell culture supernatant by affinity chromatography                                     |
| Purity:          | The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining. |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | DDR1   |
| Alternative Name: | DDR1 ( <a href="#">DDR1 Products</a> )   |
| Background:       | Receptor tyrosine kinases play a key role in the communication of cells with their |

## Target Details

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microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

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Molecular Weight: predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of DDR1-His is 55-70 kDa due to glycosylation.

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UniProt: [Q08345](#)

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Pathways: [RTK Signaling, Smooth Muscle Cell Migration](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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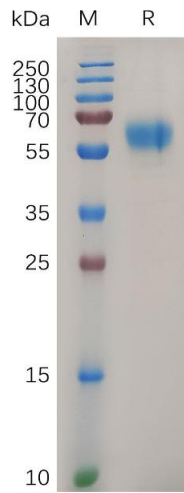
Storage: -20 °C,-80 °C

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Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Human , His Tag on SDS-PAGE under reducing condition.