# Mouse DDR1 Protein

**Cat. No.** DDR-MM1R1

## Description

| | |
|---|---|
| **Source** | Recombinant Mouse DDR1 Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Asp22-Ala415. |
| **Accession** | Q03146-1 |
| **Molecular Weight** | The protein has a predicted MW of 44.9 kDa. Due to glycosylation, the protein migrates to 60-65 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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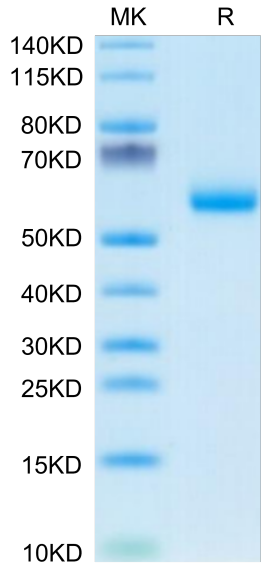
|---|---|
| **Formulation** | Supplied as 0.22μm filtered solution in PBS (pH 7.4). |
| **Storage** | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Discoidin domain receptor1 (DDR1) is a collagen activated receptor tyrosine kinase and an attractive anti-fibrotic target. Its expression is mainly limited to epithelial cells located in several organs including skin, kidney, liver and lung. DDR1's biology is elusive, with unknown downstream activation pathways; however, it may act as a mediator of the stromal-epithelial interaction, potentially controlling the activation state of the resident quiescent fibroblasts.

## Assay Data

**Bis-Tris PAGE**




Mouse DDR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

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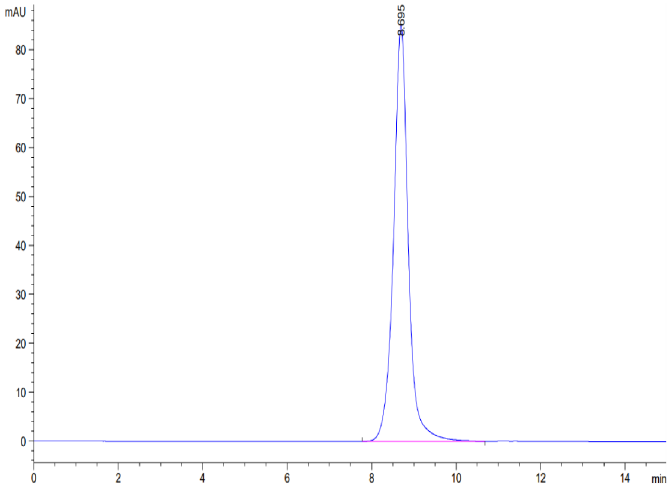
## Assay Data




The purity of Mouse DDR1 is greater than 95% as determined by SEC-HPLC.