

Datasheet for ABIN7274462

DDR1 Protein (AA 22-415) (His tag)[Go to Product page](#)**2** Images

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | DDR1 |
| Protein Characteristics: | AA 22-415 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DDR1 protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Mouse DDR1 Protein |
| Sequence: | Asp22-Ala415 |
| Characteristics: | Recombinant Mouse DDR1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp22-Ala415. |
| Purity: | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | DDR1 |
| Alternative Name: | DDR1 (DDR1 Products) |

Target Details

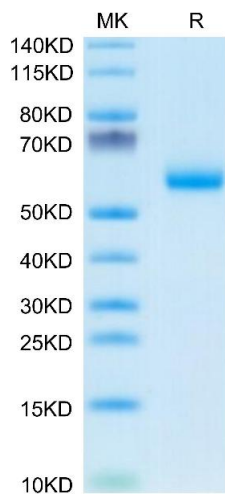
| | |
|-------------------|--|
| Background: | Discoidin domain receptor1 (DDR1) is a collagen activated receptor tyrosine kinase and an attractive anti-fibrotic target. Its expression is mainly limited to epithelial cells located in several organs including skin, kidney, liver and lung. DDR1's biology 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. |
| Molecular Weight: | 44.9 kDa. Due to glycosylation, the protein migrates to 60-65 kDa based on Tris-Bis PAGE result. |
| Pathways: | RTK Signaling , Smooth Muscle Cell Migration |

Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

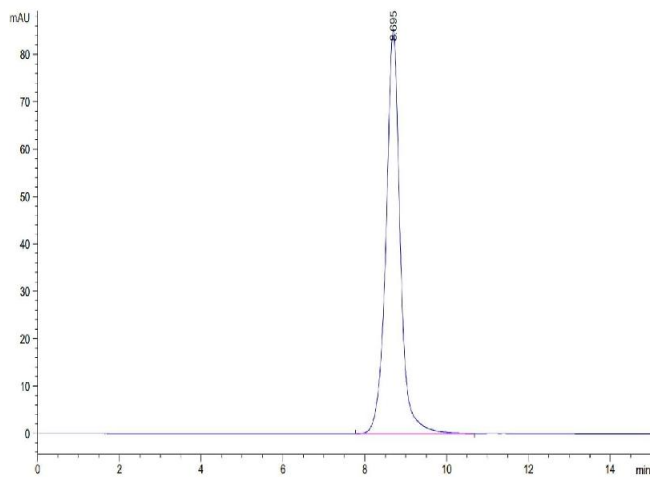
Handling

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|------------------|--|
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

Image 1. Mouse DDR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse DDR1 is greater than 95 % as determined by SEC-HPLC.