

# Human DDR2/CD167b (Fc Tag) recombinant protein



Catalog Number: 503869

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 399) of human DDR2 precursor (NP\_001014796.1) was expressed with the fused Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized Rat tail Collagen I at 10 µg/ml can bind recombinant human DDR2-Fc Chimera with a linear range of 2.5-80 ng/ml. Scatchard analysis showed the affinity constant (Kd) of recombinant human DDR2-Fc Chimera bound to rat tail collagen I was 6.8 nM.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Lys 22

### Molecular Mass

The recombinant human DDR2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 616 amino acids and has a calculated molecular mass of 69.4 kDa. Due to glycosylation, rhDDR2/Fc monomer migrates as an approximately 87 kDa protein in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

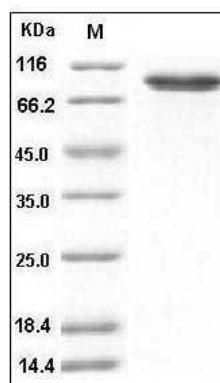
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human DDR2 Kinase / CD167b Protein (Fc Tag)  
SDS-PAGE