

# Mouse DDR2/CD167b (His Tag) recombinant protein



Catalog Number: 500912

## General Information

### Gene Name Synonym

CD167 antigen-like family member B;  
Neurotrophic tyrosine kinase, receptor-related 3;  
Receptor protein-tyrosine kinase TKT; Tyrosine-  
protein kinase TYRO10

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse DDR2 (NP\_072075.2) (Met 1-Arg 399) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind rat tail Collagen I in a functional ELISA.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Lys 22

## Molecular Mass

The recombinant mouse DDR2 consists of 389 amino acids and has a predicted molecular mass of 44 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm DDR2 is approximately 80-90 kDa due to glycosylation.

## 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

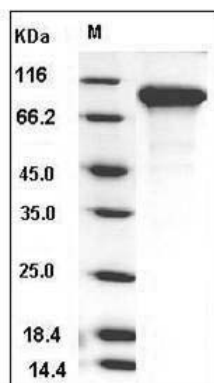
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Mouse DDR2 Kinase / CD167b Protein (His Tag)  
SDS-PAGE