

# Recombinant Human DDR2/CD167b Protein

Catalog No.: RP03328LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	4921	Q16832

### Tags

N-GST

### Synonyms

DDR2; NTRKR3; TKT; TYRO10; CD167b;  
Discoidin domain-containing receptor 2

## Product Information

Source	Purification
Baculovirus-Insect Cells	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
75.9 kDa	60-80 kDa

### Endotoxin

&lt; 1.0 EU/μg of the protein by LAL method

### Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

### Reconstitution

Please use running water to thaw it quickly.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

Discoidin domain-containing receptor 2 (DDR2) also known as CD167b is a receptor tyrosine kinase (RTK). The biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. In the case of DDR2, the ligand is collagen which binds to its extracellular discoidin domain. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. DDR2 has been associated with a number of diseases including fibrosis and cancer.

## Basic Information

### Description

Recombinant Human DDR2/CD167b Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Arg422-Glu855) of Human DDR2 (Accession #Q16832) fused with a N-GST tag.

### Bio-Activity

The activity of DDR2 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

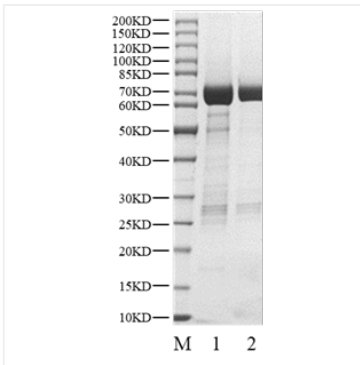
### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

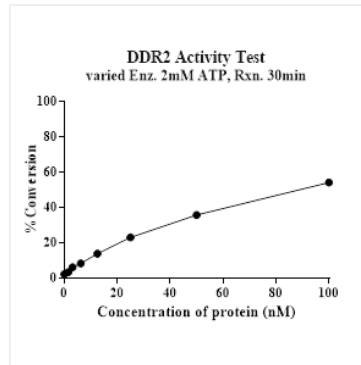
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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## Validation Data



Recombinant Human DDR2/CD167b Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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