

Recombinant Human DDR2/CD167b Kinase

Catalog No.: RP03328LQ

Sequence Information

Species **Gene ID**
Human 4921

Swiss Prot **Tags**
Q16832 N-GST

Synonyms

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

Product Information

Source **Purification**
Baculovirus- ≥ 90 % as
Insect Cells determined by
SDS-PAGE; ≥ 90
% as determined
by HPLC.

Calculated MWObserved MW
75.9 kDa 60-80 kDa

Endotoxin

< 1 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.

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

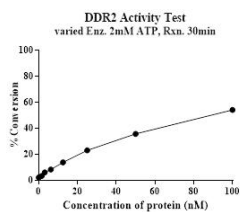
Contact

☎ | 400-999-6126

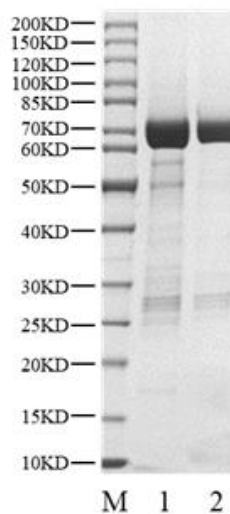
✉ | cn.market@abclonal.com.cn

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Validation Data



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.



Recombinant Human DDR2/CD167b Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.