

Datasheet for ABIN7317114
DDR2 Protein (GST tag,His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	DDR2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DDR2 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human DDR2 Kinase/CD167b Protein (aa 422-855, His & GST Tag)(Active)
Sequence:	Arg422-Glu855
Characteristics:	A DNA sequence encoding the human DDR2 (Q16832) (Arg422-Glu855) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 8 nmol/min/mg using synthetic AXLtide peptide(CKKSRGDYMTMQIG) as substrate.

Target Details

Target:	DDR2
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Target Details

Alternative Name: CD167b ([DDR2 Products](#))

Background: Discoidin domain receptor 2 (DDR2) or CD167b (cluster of differentiation 167b) is a kind of protein tyrosine kinases associated with cell proliferation and tumor metastasis, and collagen, identified as a ligand for DDR2, up-regulates matrix metalloproteinase 1 (MMP-1) and MMP-2 expression in cellular matrix. DDR2/CD167b was found to recognise the triple-helical region of collagen X as well as the NC1 domain. Binding to the collagenous region was dependent on the triple-helical conformation. DDR2/CD167b autophosphorylation was induced by the collagen X triple-helical region but not the NC1 domain, indicating that the triple-helical region of collagen X contains a specific DDR2 binding site that is capable of receptor activation. DDR2/CD167b is induced during stellate cell activation and implicate the phosphorylated receptor as a mediator of MMP-2 release and growth stimulation in response to type I collagen. Moreover, type I collagen-dependent upregulation of DDR2/CD167b expression establishes a positive feedback loop in activated stellate cells, leading to further proliferation and enhanced invasive activity. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy

Synonym: CD167;MIG20a;NTRKR3;TKT;TYRO10

Molecular Weight: 77.1 kDa

UniProt: [Q16832](#)

Pathways: [RTK Signaling](#)

Application Details

Comment: 77 kDa

Restrictions: For Research Use only

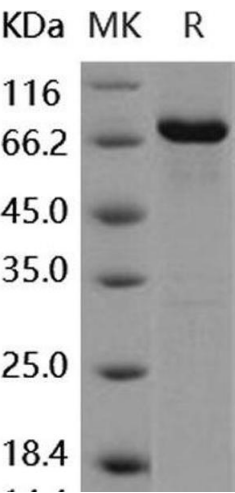
Handling

Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.