Datasheet for ABIN7533988

DDR2 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	DDR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DDR2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human DDR2/CD167b Protein
Sequence:	QVNPAICRYP LGMSGGQIPD EDITASSQWS ESTAAKYGRL DSEEGDGAWC PEIPVEPDDL KEFLQIDLHT LHFITLVGTQ GRHAGGHGIE FAPMYKINYS RDGTRWISWR NRHGKQVLDG NSNPYDIFLK DLEPPIVARF VRFIPVTDHS MNVCMRVELY GCVWLDGLVS YNAPAGQQFV LPGGSIIYLN DSVYDGAVGY SMTEGLGQLT DGVSGLDDFT QTHEYHVWPG YDYVGWRNES ATNGYIEIMF EFDRIRNFTT MKVHCNNMFA KGVKIFKEVQ CYFRSEASEW EPNAISFPLV LDDVNPSARF VTVPLHHRMA SAIKCQYHFA DTWMMFSEIT FQSDAAMYNN SEALPTSPMA PTTYDPMLKV DDSNTR
Specificity:	Gln24-Arg399
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Product Details

Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human DDR2 Protein at 1 μg/mL (100 μL/well) can bind DDR2 Rabbit mAb with a linear range of 0.486-33.97 ng/mL.

Target Details

Target:	DDR2
Alternative Name:	DDR2/CD167b (DDR2 Products)
Background:	Description: Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation, and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein. Name: DDR2,MIG20a,NTRKR3,TKT,TYRO10, NTRKR3, TKT, TYRO10
Gene ID:	4921
UniProt:	Q16832
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

