

Recombinant Human DDR2/CD167b Protein

Catalog No.: RP00115 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4921	Q16832

Tags

C-His

Synonyms

DDR2;MIG20a;NTRKR3;TKT;TYRO10;
NTRKR3; TKT; TYRO10

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
43.35 kDa	55-65 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

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.

Basic Information

Description

Recombinant Human DDR2/CD167b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln24-Arg399) of human DDR2 Kinase/CD167b Kinase/CD167b (Accession #NP_001014796.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

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.

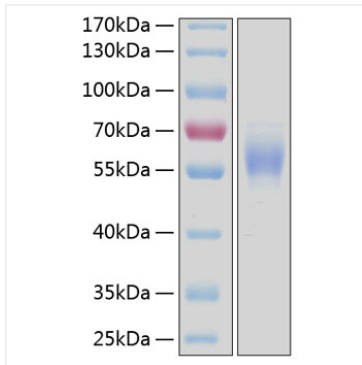
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

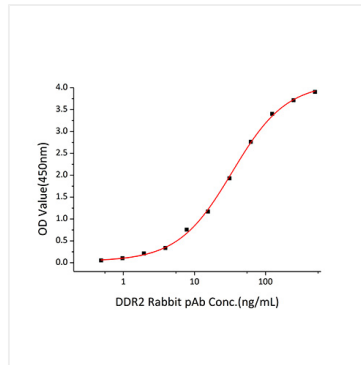
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human DDR2/CD167b Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65 kDa.



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