

Human DDR2/CD167b (Fc Tag) recombinant protein



Catalog Number: 503869

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 399) of human DDR2 precursor (NP_001014796.1) was expressed with the fused Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized Rat tail Collagen I at 10 µg/ml can bind recombinant human DDR2-Fc Chimera with a linear range of 2.5-80 ng/ml. Scatchard analysis showed the affinity constant (Kd) of recombinant human DDR2-Fc Chimera bound to rat tail collagen I was 6.8 nM.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Lys 22

Molecular Mass

The recombinant human DDR2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 616 amino acids and has a calculated molecular mass of 69.4 kDa. Due to glycosylation, rhDDR2/Fc monomer migrates as an approximately 87 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

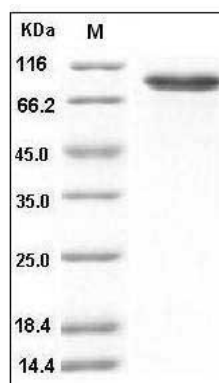
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human DDR2 Kinase / CD167b Protein (Fc Tag)
SDS-PAGE