

Human CD95/APO-1/TNFRSF6 (Fc Tag) recombinant protein



Catalog Number: 502790

General Information

Gene Name Synonym

Apo-1 antigen; Apoptosis-mediating surface antigen FAS; FASLG receptor

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 173) of human Fas antigen (NP_000034.1) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit Fas Ligand induced apoptosis of Jurkat human acute T cell leukemia cells.

The ED₅₀ for this effect is typically 0.02-0.1 µg/mL in the presence of 20 ng/mL recombinant human Fas ligand.

Purity

(75.9+20.9) % 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

Gln 26

Molecular Mass

The recombinant human Fas/Fc chimera is a disulfide-linked homodimeric protein generated after removal of the signal peptide. The reduced monomer consists of 386 amino acids and has a predicted molecular mass of 43.4 kDa. In SDS-PAGE under reducing conditions, the monomer migrates as an approximately 55-60 kDa protein due to glycosylation.

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

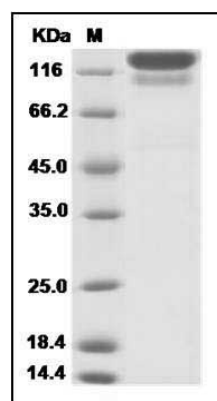
Storage

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



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