Human Angiopoietin-2 / ANG2 (Fc Tag) recombinant protein

Catalog Number: 503602

General Information

Protein Construction

A DNA sequence encoding the human Angiopoietin 2 (NP_001138.1) (Met 1-Phe 496) 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 binding ability in a functional ELISA. Immobilized recombinant human Angiopoietin-2 at 10 μg/ml (100 μl/well) can bind Human Tie2 / Fc chimera with a range of 0.2-20 μg/ml.

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℃

Predicted N terminal

Tyr 19

Molecular Mass

The recombinant human Ang2/Fc is a disulfide-linked homodimeric Protein after removal of the signal pep. The reduced monomer consists of 716 amino acids and predicts a molecular mass of 81.6 kDa. As a result of glycosylation, the rhAng2/Fc monomer migrates as approximately 110-115 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

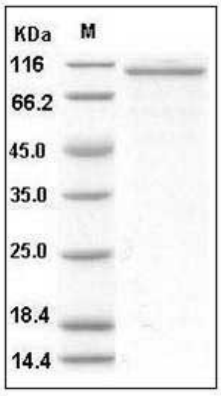
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 Angiopoietin-2 / ANG2 Protein (Fc Tag) SDS-PAGE