Human Leptin Receptor/CD295 (His & Fc Tag) recombinant protein

Catalog Number: 503612

General Information

Gene Name Synonym

HuB219; OB receptor

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 839) of human leptin receptor precursor (NP_002294.2) was expressed with the C-terminal fused polyhistidine-tagged Fc region of human IgG1.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human Leptin at 1.25 μg/ml (100 μl/well) can bind human Leptin receptor with a linear range of 0.032-4.0 μg/ml.

Purity

> 90 % 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

Phe 22

Molecular Mass

The recombinant human LEPR/Fc is a disulfide-linked homodimeric protein.The reduced monomer consists of 1065 amino acids and has a predicted molecular mass of 121.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LEPR/Fc monomer is approximately 155-165 kDa 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

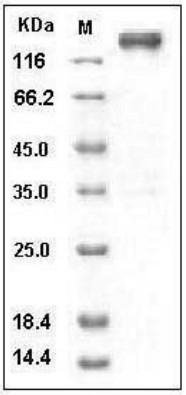
Storage

Store it under sterile conditions at -20℃ 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 Leptin Receptor / LEPR / CD295 Protein (His & Fc Tag) SDS-PAGE