Human RAGE / AGER (Fc Tag) recombinant protein

Catalog Number: 501347

General Information

Protein Construction

A DNA sequence encoding the human AGER isoform 1 (NP_001127.1) extracellular domain (Met 1-Ala 344) 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 human S100A12 at 2 μg/ml (100 μl/well) can bind recombinant human AGER with a linear range of 0.032-20 μg/ml.

Purity

> 70 % 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

Gln 24

Molecular Mass

The recombinant human AGER/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 562 amino acids and predictes a molecular mass of 61.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhAGER/Fc monomer is approximately 80-90 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

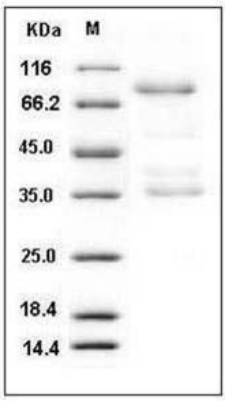
Storage

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 AGER / RAGE Protein (Fc Tag) SDS-PAGE