Human RAGE / AGER (His Tag) recombinant protein

Catalog Number: 503643

General Information

Protein Construction

A DNA sequence encoding the mature form of human AGER (NP_001127) extracellular domain (Met1-Ala 344) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant human AGER-His (Cat:503643) at 10 μg/mL (100 μl/well) can bind biotinylated mouse His-S100A1 (Cat:501625) with a linear range of 15.6-250 ng/mL.
3. Measured by its ability to bind biotinylated human S100A1 (Cat:503506) in functional ELISA.

Purity

> 98 % 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

Ala 23

Molecular Mass

The recombinant human AGER consists of 332 amino acids and predicts a molecular mass of 35.5 KDa. It migrates as an approximately 47-53 KDa band 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

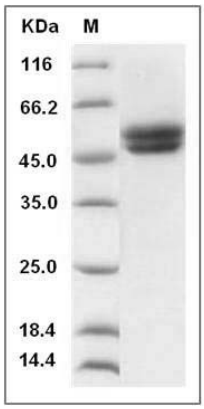
Storage

Store it under sterile conditions at -20℃ 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 (His Tag) SDS-PAGE