# **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  $\mu$ g/mL (100  $\mu$ l/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  $\mu g$  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

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**

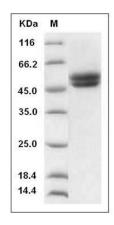
## **Storage**

Store it under sterile conditions at -20°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**



Human AGER / RAGE Protein (His Tag) SDS-PAGE