

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human AGER (NP\_001127.1) (Met1-Ala 344) was expressed with six amino acids (LEVLFQ) at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immobilized recombinant human Fc-S100B (Cat:504144) in a functional ELISA.
2. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immobilized recombinant mouse S100B-Fc (Cat:501138) in a functional ELISA.
3. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immobilized recombinant human S100A1-Fc (Cat:10179-H01HE) in a functional ELISA.
4. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immobilized recombinant human APP-Fc (Cat:501404) in a functional ELISA.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ala 23

### Molecular Mass

The recombinant human AGER consists of 329 amino acids and predicts a molecular mass of 35 KDa. It migrates as an approximately 46-52 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  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 RAGE / AGER recombinant protein



Catalog Number: 503381

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Human AGER / RAGE Protein SDS-PAGE

