

RP00303

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Recombinant Human AGER/RAGE Protein

Catalog No.: RP00303

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	177	Q15109

Tags

C-6×His

Synonyms

AGER;RAGE;SCARJ1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

The advanced glycosylation end product (AGE) receptor encoded by this gene is a member of the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847).

Basic Information

Description

Recombinant Human AGER/RAGE Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ala23-Ala344) of human AGER/RAGE (Accession #Q15109) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human AGER/RAGE at 10 μg/mL (100 μl/well) can bind biotinylated mouse His-S100A1 with a linear range of 15.6-250 ng/mL.

Storage

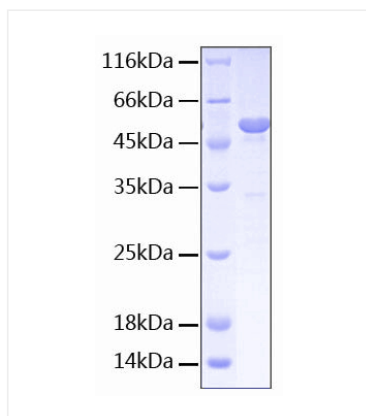
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human AGER/RAGE was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 50 kDa.