

## Recombinant Human AGER Protein, Fc-tagged

Cat. No. AGER-833H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AGER protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	404
<b>Description</b>	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).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	60.8 kDa
<b>AA Sequence</b>	MAAGTAVGAWVLVLSLWGAVVGAQNITARIGEPLVLKCKGAPKKPPQRLEWKLNTG RTEAWKVLSPQGGGPWDSVARVLPNGSLFLPAVGIQDEGIFRCQAMNRNGKETKS NYRVRVYQIPGKPEIVDSASELTAGVPNKVGTVCVSEGSYPAGTLSWHLDGKPLVFN EKGVSVKEQTRRHPEGLFTLQSELMVTPARGGDPRTFSCSFSPGLPRHRALRTA PIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSQIHWMKDGVPLP

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LPPSPVLILPEIGPQDQGTYSVATHSSHGPPQESRAVSISIIIEPGEEGPTAGSVGGSG  
 LGTLALALGILGGLGTAALLIGVILWQRRQRRGEERKAPENQEEEEERAEELNQSEEP  
 EAGESSTGGP

**Purity** > 98%

**Applications** Migration Assay; WB; ELISA;

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** [AGER advanced glycosylation end-product specific receptor \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [AGER](#)

**Synonyms** AGER; advanced glycosylation end-product specific receptor; RAGE; sRAGE;

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SCARJ1; advanced glycosylation end product-specific receptor; receptor for advanced glycation end-products

**Gene ID** 177

**mRNA Refseq** NM\_001136

**Protein Refseq** NP\_001127

**MIM** 600214

**UniProt ID** Q15109

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