

Recombinant Human AGER Protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant human AGER protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	404
Description	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).
Form	Lyophilized
Molecular Mass	60.8 kDa
AA Sequence	MAAGTAVGAWVLVLSLWGAVVGAQNITARIGEPLVLKCKGAPKKPPQRLEWKLNTG RTEAWKVLSPQGGGPWDSVARVLPNGSLFLPAVGIQDEGIFRCQAMNRNGKETKS NYRVRVYQIPGKPEIVDSASELTAGVPNKVGTVCVSEGSYPAGTLSWHLDGKPLVPN EKGVSVEQETRRHPETGLFTLQSELMVTPARGGDPRTFSCSFSPGLPRHRALRTA PIQPRVWEVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVPLP

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	LPPSPVLILPEIGPQDQGTYSVATHSSHGPPQESRAVSISIIEPGEEGPTAGSVGGSG LGTALALGILGGLGTAALLIGVILWQRRQRRGEERKAPENQEEEEERAELNQSEEP 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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