

Active Recombinant Human AGER protein, hFc-tagged

Cat. No. AGER-3137H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human AGER protein(NP_001127.1)(Met 1-Ala 344) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-344 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human S100A12 at 2 µg/ml (100 µl/well) can bind recombinant human AGER with a linear range of 0.032-20 µg/ml.
Molecular Mass	The recombinant human AGER/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 562 amino acids and predicts a molecular mass of 61.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhAGER/Fc monomer is approximately 80-90 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 70 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

Official Symbol [AGER](#)

Synonyms AGER; advanced glycosylation end product-specific receptor; RAGE; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta;

Gene ID [177](#)

mRNA Refseq [NM_001136](#)

Protein Refseq [NP_001127](#)

MIM [600214](#)

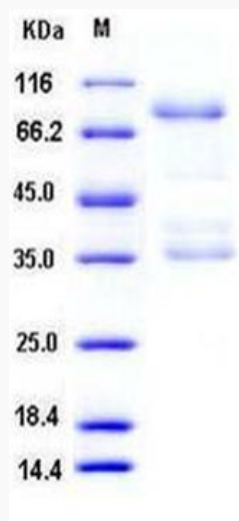
UniProt ID [Q15109](#)

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SDS-PAGE



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