

## Active Recombinant Human AGER protein, His-tagged

Cat. No. AGER-7322H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AGER protein(NP_001127)(Met1-Ala344), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ala344
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA.2. Immobilized recombinant human AGER-His at 10 µg/mL (100 µl/well) can bind biotinylated mouse His-S100A1 with a linear range of 15.6-250 ng/mL.3. Measured by its ability to bind biotinylated human S100A1 in functional ELISA.
<b>Molecular Mass</b>	The recombinant human AGER consists of 332 amino acids and predicts a molecular mass of 35.5 KDa. It migrates as an approximately 47-53 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 98 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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

<b>Gene Name</b>	AGER advanced glycosylation end product-specific receptor [ Homo sapiens ]
<b>Official Symbol</b>	AGER
<b>Synonyms</b>	AGER; advanced glycosylation end product-specific receptor; RAGE; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta;
<b>Gene ID</b>	177
<b>mRNA Refseq</b>	NM_001136
<b>Protein Refseq</b>	NP_001127
<b>MIM</b>	600214
<b>UniProt ID</b>	Q15109

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