Active Recombinant Human AGER Protein

Cat. No. AGER-328H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of human AGER (NP_001127.1) (Met1-Ala 344) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1- a.a.
Predicted N Terminal	Ala 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immobilized recombinant human Fc-S100B in a functional ELISA.2. Measured by its ability to compete with Biotinylated recombinant human AGER for binding to immob
Molecular Mass	The recombinant human AGER consists of 329 amino acids and predicts a molecular mass of 35 KDa. It migrates as an approximately 46-52 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted 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 0.25 ug/ul. Centrifuge the vial at 4℃ 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
Chromosome Location	6p21.3
Pathway	Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation

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	endproduct receptor signaling, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem;

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