

## Recombinant Human AGER Protein

Catalog #	Source	Reactivity	Applications
CRP1027	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human AGER Protein is produced by our mammalian expression system and the target gene encoding Ala23-Ala344 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
<b>Gene Symbol</b>	AGER		
<b>Alternative Names</b>	RAGE; Advanced glycosylation end product-specific receptor; Receptor for advanced glycosylation end products		
<b>Entrez Gene</b>	177 (Human)		
<b>SwissProt</b>	Q15109 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>AQNITARIGE PLVLKCKGAP KKPPQRLEWK LNTGRTEAWK VLSPQGGGPW DSVARVLPNG            SLFLPAVGIQ DEGIFRCQAM NRNGKETKSN YRVRVYQIPG KPEIVDSASE LTAGVPNKVG            TCVSEGSYPA GTLSWHLDGK PLVPNEKGVS VKEQTRRHPE TGLFTLQSEL MVTARGGDP            RPTFSCSFSP GLPRHRALRT APIQPRVWEP VPLEEVQLVV EPEGGAVAPG GTVTLTCEVP            AQPSPQIHWK KDGVPLPLPP SPVLILPEIG PQDQGTYSKV ATHSSHGPQE SRAVSISIIE            PGEEGPTAGS VGGSGGLGTLA LAVDHHHHHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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