

HuPro®

AGER (Human) Recombinant Protein

Catalog # H00000177-H02

Size 25 ug

Specification

Product Description	Purified AGER (AAH20669.1 23 a.a. - 342 a.a.) human recombinant protein with His-Flag-Strepll tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	AQNITARIGEPLVLKCKGAPKKPPQRLEWNLNTGRTEAWKVLSPQGGGPWDSVARVLPNGSLFL PAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNKVGTCTVSEGSYP AGTLSWHLDDGKPLVPNEKGVSVKEQTRRHPETGLFTLQSELMVTPARGGDP RPPTFSCSFSPGL PRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVP PLPPSPVLILPEIGPQDQGTYSVATHSSHGPQESRAVSISIEPGEEGPTAGSVGGSGLGTLA
Host	Human
Theoretical MW (kDa)	40.48
Interspecies Antigen Sequence	Mouse (79); Rat (79)
Form	Liquid
Preparation Method	Transfection of pSuper-AGER plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — AGER

Entrez GeneID [177](#)

GeneBank Accession# [BC020669.1](#)

Protein Accession# [AAH20669.1](#)

Gene Name AGER

Gene Alias MGC22357, RAGE

Gene Description advanced glycosylation end product-specific receptor

Omim ID [600214](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the immunoglobulin superfamily of cell surface molecules. It is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. The gene lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000029155|OTTHUMP00000029156|advanced glycosylation end product-specific receptor RAGE3|advanced glycosylation end product-specific receptor variant sRAGE1|advanced glycosylation end product-specific receptor variant sRAGE2|receptor for advanced

Disease

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