

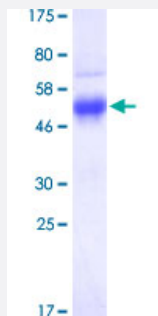
HuPro®

AGER (Human) Recombinant Protein

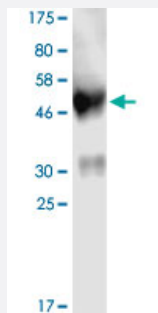
Catalog # H00000177-H01

Size 25 ug

Applications



SDS-PAGE Gel



Western Blot

Specification

Product Description

Purified AGER (AAH20669.1 23 a.a. - 342 a.a.) human recombinant protein with His-Flag-Strept tag at N-terminus expressed in human cells.

Transfected Cell Line

Human HEK293T cells

Sequence

AQNITARIGEPLVLKCKGAPKKPPQRLEWNLNTGRTEAWKVLSPQGGGPWDSVARVLPNGSLFL
PAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNKVGTCVSEGSYP
AGTLSWHLDGKPLVPNEKGVSVEQTRRHPETGLFTLQSELMVTPARGGDPRTFSCSFSPGL
PRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVP
PLPPSPVLILPEIGPQDQGTYSVCVATHSSHGPPQESRAVSISIIIEPGEEGPTAGSVGGSGLGTLA

Host

Human

Theoretical MW (kDa)

40.48

Interspecies Antigen Sequence	Mouse (79); Rat (79)
Form	Liquid
Preparation Method	Transfection of pSuper-AGER plasmid into HEK293T 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
Quality Control Testing	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
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

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
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- [Kidney Failure](#)
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