

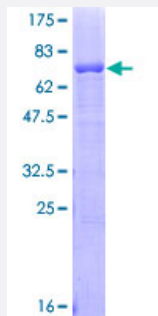
Full-Length

AGER (Human) Recombinant Protein (P01)

Catalog # H00000177-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AGER full-length ORF (AAH20669.1, 23 a.a. - 404 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

AQNITARIGEPLVLKCKGAPKKPPQRLEWNLNTGRTEAWKVLSPQGGGPWDSVARVLPNGSLFL
PAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNKVGTVCVSEGSYP
AGTLSWHLDGKPLVPNEKGVSVKEQTRRHPETGLFTLQSELMVTPARGGDP RPTFSCSFSPGL
PRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVP
PLPPSPVLILPEIGPQDQGTYSVATHSSHGPGQESRAVSISIIPEGEEGPTAGSVGGSGGLTLALAL
GILGGLGTAALLIGVILWQRRQRERGEERKAPENQEEEEERAELNQSEEPAGESSSTGGP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.76

Interspecies Antigen Sequence

Mouse (78); Rat (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AGER

Entrez GeneID[177](#)**GeneBank Accession#**[BC020669](#)**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](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Diseases](#)
- [Lupus Erythematosus](#)
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- [Pancreatic Neoplasms](#)
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