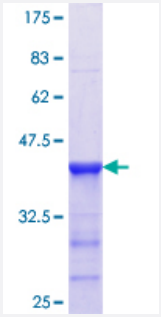
AGER (Human) Recombinant Protein (Q01)

Catalog # H00000177-Q01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human AGER partial ORF (AAH20669.1, 87 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNKVGTCVSEGSYP AGTLSWHLDGKPLVPNEKGVSVKEQTRRHPETGLFTLQSELMVTPA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (82); Rat (84)
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 r eceptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-bet a protein, members of the S100/calgranulin superfamily and advanced glycation end products. Th e 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 Ref Seq
Other Designations	OTTHUMP00000029155|OTTHUMP00000029156|advanced glycosylation end product-specific r eceptor 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
- Myocardial Infarction
- Neuroblastoma
- Neuropsychological Tests
- Obesity
- Pancreatic Neoplasms
- Pulmonary Disease