

Datasheet for ABIN7273806

RAGE Protein (AA 23-344) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	RAGE (AGER)
Protein Characteristics:	AA 23-344
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAGE protein is labelled with His tag.

Product Details

Purpose:	Human AGER Protein
Sequence:	Ala23- Ala344
Characteristics:	Recombinant Human AGER Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala23- Ala344.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	RAGE (AGER)
Alternative Name:	AGER (AGER Products)

Target Details

Background:	The receptor for advanced glycation end products (AGER) is an oncogenic transmembranous receptor up-regulated in various human cancers. AGER promotes proliferation, migration, and inhibits apoptosis of squamous cervical cancer and might function as a tumor promoter in cervical cancer. Our study provides novel evidence for a potential role of AGER in bridging human papillomavirus (HPV)-induced inflammation and cervical cancer.
Molecular Weight:	35.3 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Pathways:	Carbohydrate Homeostasis , Toll-Like Receptors Cascades , Smooth Muscle Cell Migration , S100 Proteins

Application Details

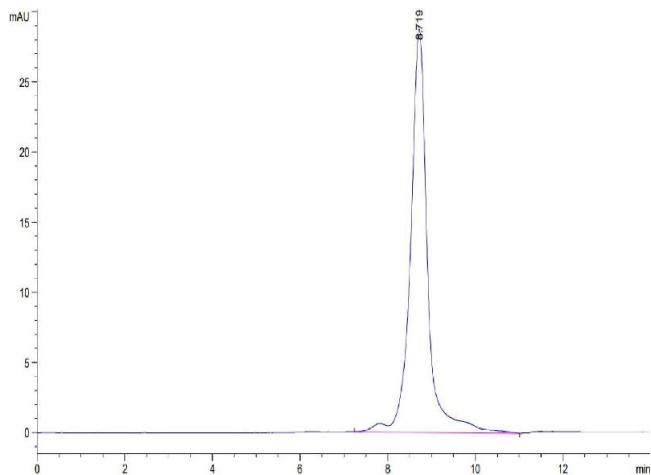
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human AGER is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human AGER on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

