

Human RAGE/AGER Protein



Cat. No. AER-HM201

Description	
Source	Recombinant Human RAGE/AGER Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ala23-Ala342.
Accession	Q15109-1
Molecular Weight	The protein has a predicted MW of 59.92 kDa. Due to glycosylation, the protein migrates to 80-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.	

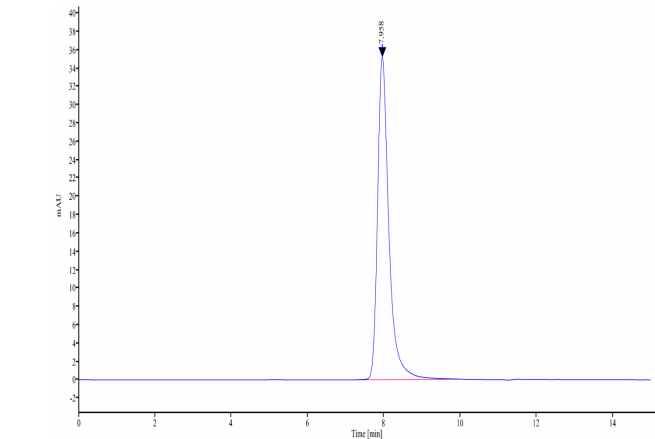
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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