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Datasheet for ABIN7454068
RAGE Protein (AA 24-354) (His tag)

Overview

Quantity:	100 µg
Target:	RAGE (AGER)
Protein Characteristics:	AA 24-354
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAGE protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus AGER Protein
Sequence:	Gln24-Thr354
Characteristics:	Recombinant Cynomolgus AGER Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln24-Thr354.
Purity:	> 95 % as determined by Tris-Bis PAGE
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: 36.78 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.

UniProt: [A0A2K5TSM4](#)

Pathways: [Carbohydrate Homeostasis](#), [Toll-Like Receptors Cascades](#), [Smooth Muscle Cell Migration](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

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