

## Recombinant Human AGER, His-tagged

Cat. No. AGER-917H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human sRAGE encoding the mature Human sRAGE (Ala23-AlaP342) with 6 His tag on the N-Terminus was expressed in *E. Coli*. This protein was purified by Ni-NTA column. MW = 39.0 KD.

**Species** Human

**Source** E.coli

**ProteinLength** 23-342 a.a.

**Description** RAGE, the receptor for advanced glycation endproducts is a transmembrane receptor of the immunoglobulin super family which was first characterized in 1992 by Neeper et al. Its name comes from its ability to bind advanced glycation endproducts (AGE), a heterogeneous group of non-enzymatically altered proteins. Besides AGEs, RAGE is also able to bind other ligands and is thus often referred to as a pattern recognition receptor.

**Amino Acid Sequence** Human sRAGE (Ala23-AlaP342). 23AQNITARI GEPLVLKCKG APKKPPQRLE WKLNTGRTEAWKVLSPQGGG PWDSVARVLP NGSFLPAVG IQDEGIFRCQ AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA PGGTVTLTCE VPAQPSPQIH WMKDG VPLPL PPSPVLILPE IGPQDQGTYS CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGGLGTLA 342.

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<b>Application</b>	Cell biology.
<b>Purity</b>	>95% in SDS gel.
<b>Formulation</b>	Lyophilized 50 µg Human sRAGE in 50 µl of TBS ( 20 mM Tris, 50mM NaCl,pH8.0 ). Carry free.
<b>Reconstitution</b>	Add 500 µl deionized water to the vial to prepare a working stock solution at 200 µg/mL . Allow to set at least 30 minutes at 4° C, mix well.
<b>Storage</b>	Store lyophilized protein at -20 °C or -70 °C. Lyophilized protein is stable for up to 6 months from date of receipt at - 20 °C to -70 °C. Upon reconstitution, this protein can be stored at -20 °C for a few weeks or at -70 °C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AGER advanced glycosylation end product-specific receptor [ Homo sapiens ]</a>
<b>Synonyms</b>	AGER; advanced glycosylation end product-specific receptor; RAGE; MGC22357; receptor for advanced glycosylation end-products; Receptor for advanced glycosylation end products; MGC22357; OTTHUMP00000029155; OTTHUMP00000029156; advanced glycosylation end product-specific receptor
<b>Gene ID</b>	<a href="#">177</a>
<b>mRNA Refseq</b>	<a href="#">NM_001136</a>
<b>Protein Refseq</b>	<a href="#">NP_001127</a>

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<b>MIM</b>	600214
<b>UniProt ID</b>	Q15109
<b>Chromosome Location</b>	6p21.3
<b>Function</b>	advanced glycation end-product receptor activity; protein binding; transmembrane receptor activity

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