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 NGSLFLPAVG IQDEGIFRCQ AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY PAGTLSWHLD GKPLVPNEKG VSVKEQTRRHPETGLFTLQS ELMVTPARGG DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGTLA 342.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Application	Cell biology.
Purity	>95% in SDS gel.
Formulation	Lyophilized 50 µg Human sRAGE in 50 µl of TBS (20 mM Tris, 50mM NaCl,pH8.0). Carry free.
Reconstitution	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.
Storage	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

Gene Name	AGER advanced glycosylation end product-specific receptor [Homo sapiens]
Synonyms	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
Gene ID	177
mRNA Refseq	NM_001136
Protein Refseq	NP_001127

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA