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## Product Data Sheet

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Product Name: sRAGE Human  
Cat. No.: GP24694  
Batch No.: 1

### Product Data

Purity >98% Source  
Physical Appearance solid Shipping Condition

Synonyms Advanced glycosylation end product-specific receptor; Receptor for advanced glycosylation end products; AGER; SRAGE; RAGE; MC

Amino Acid Sequence MRGSHHHHHHGMASQNITARIGEPLVLKCKGAPKPPQRLEWKLNTGRTEAWKVLSPQGGGPWDSVARVLPNGSLFLPAVGIQDEGIFRCQAMNRR

Solubility Add 0.1M Acetate buffer pH4 to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

FormulationThe sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 30mMacetate buffer pH-4.

### Introduction

sRAGE is a member of the immunoglobulin superfamily of cell surface molecules. sRAGE is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. sRAGE lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. sRAGE mediates interactions of nonenzymatic glycosylated proteins which accumulate in vascular tissue during aging & at an increasing rate in diabetes. sRAGE is a receptor for amyloid beta peptide.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

### Background

sRAGE Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 339 amino acids and having a molecular mass of 36.5 kDa. The Human sRAGE is fused to a 14 a.a. His tag at N-Terminus.The Human sRAGE is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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