



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Recombinant Human Advanced Glycosylation End Product-Specific Receptor, HEK-expressed

Catalog No.
228-11354

Source:
HEK 293

Synonyms:

Advanced glycosylation end product-specific receptor, Receptor for advanced glycosylation end products, AGER, SRAGE, RAGE, MGC22357.

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.

Description:

sRAGE Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain containing 331 amino acids and having a molecular mass of 35.2 kDa.
sRAGE Human is fused to Flag tag at C-Terminus.
sRAGE Human is purified by proprietary chromatographic techniques.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 50mM Tris-HCl pH-7.5 & 50mM NaCl.

Solubility:

Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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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.

Amino Acid Sequence:

AQNITARIGE PLVLKCKGAP KKPPQRLEWK LNTGRTEAWK VLSPQGGGPW
DSVARVLPNG SLFLPAVGIQ DEGIFFRCQAM NRNGKETKSN YRVRVYQIPG
KPEIVDSASE LTAGVPNKVG TCVSEGSYPA GTLSWHLDGK PLVPNEKGVS
VKEQTRRHPE TGLFTLQSEL MVTPARGGDP RPTFSCSFSP GLPRHRALRT
APIQPRVWEP VPLEEVQLVV EPEGGAVAPG GTVTTLTCEVP AQPSPQIHWM
KDGVPPLPLPP SPVLILPEIG PQDQGTYSVCV ATHSSHGPQE SRAVSISIIIE
PGEEGPTAGS VGGSGLGTLA AAADYKDDDDK .

Purity:

Greater than 95% as determined by SDS-PAGE

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