

PRODUCT DATA SHEET

Soluble Receptor for Advanced Glycation End Products Human E. coli

Cat. No.: RD172116100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

Soluble Receptor for Advanced Glycation End Products, sRAGE, Advanced glycation end product-specific receptor, AGER, RAGE

Description:

Total 339 AA. MW: 36.5 kDa. UniProtKB acc.no. Q15109. N-Terminal His-tag 14 AA.

Amino Acid Sequence:

MRGSHHHHHH GMSAQNITA RIGEPLVLKC KGAPKKPPQR LEWKLNTGRT EAWKVLSPQG
GGPWDSVARV LPNGSLFLPA VGIQDEGIFR CQAMNRNGKE TKSNYRVRVY QIPGKPEIVD
SASELTAGVP NKVGTVCVSEG SYPAGTLSWH LDGKPLVPNE KGVSVKEQTR RHPETGLFTL
QSELMVTPAR GGDPRPTFSC SFSPGLPRHR ALRTAPIQPR VWEVPLEEV QLVVEPEGGA
VAPGGTVTLT CEVPAQPSQ IHWMKDGVP PLPPSPVLIL PEIGPDQGT YSCVATHSSH
GPQESRAVSI SIIEPGEEGP TAGEGFDKVR EAEDSPQHM

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.03 M acetate buffer, pH=4.0

Reconstitution:

Add 0.1 M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 μg/mL. In higher concentrations the solubility of this antigen is limited.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.