



Product Data Sheet

Biotin-sRAGE, Human, Recombinant

(Biotinylated soluble receptor for advanced glycation end-products, Human, Recombinant)

Cat. # M1401

Qty. 50 µg

Description

Human sRAGE composed of V, C1, and C2 domains was expressed with His-tag in transgenic silkworms. Biotin ligase (BirA) was co-expressed in the silkworms for a specific incorporation of a single biotin molecule on Biotinylation-tag on the C-terminus of sRAGE.

Alternative Names

AGER, RAGE

Product Information

Expression system: Transgenic silkworms

Domain: Extracellular domain (RAGE, Ala 23-Ser 332)

Molecular Weight: 46.3 kDa

Tag: His & Biotinylation

UniProt No.: Q15109

NCBI Accession No.: KY500148.2

Purity: ≥ 90 % as determined by SDS-PAGE

Endotoxin level: < 1 EU/µg

Formulation: Filtered (0.22 µm) and lyophilized in PBS, pH 7.4, at 50 µg/tube

Amino acid Sequence (434 aa)

GHHHHHHHHHHSSGHIDDDDKHMAQNITARIGEPLVLKCKGAPKKPPQRLWKLNTGRTEAWKVLSPQ
GGGPWDSVARVLPNGSLFLPAVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQIPGKPEIVDSASELTAG
VPNKVGTCVSEGSYPAGTLSWHLDGKPLVPNEKGVSVKEQTRRHPETGLFTLQSELMVTPARGGDPR
PTFSCSFSPGLPRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHW
MKDGVPLPLPPSPVLILPEIGPQDQGTYSVATHSSHGPQESRAVSISIIEPGEEGPTAGSRSGAGTPVT
APLAGTIWKVLASEGQTVAAGEVLLILEAMKMETEIRAAQAGTVRGIKAGDAVAVGDTLMTLAGTK
LGPEQKLISEEDLNSAVDHHHHHHH

Under line: Extracellular domain of RAGE

Bold: Biotinylation sequences (524-595 aa) of the *Klebsiella pneumoniae* oxalacetate decarboxylase α-subunit

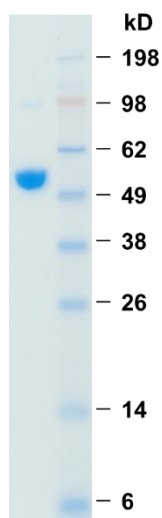
Reconstitution

Add 200 μ L of purified water to 0.25 mg/mL solution in 1 $\times$ PBS, pH 7.4

Storage Condition

Stored at +2°C to +8°C. After reconstitution, aliquot and store at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C for 3 months. Avoid repeated freezing and thawing cycles.

SDS-PAGE



References

1. Kumano-Kuramochi M, Tatematsu K, Ohnishi-Kameyama M, Maeda-Yamamoto M, Kobori T, Sezutsu H and Machida S. Scientific Reports, 10.1038/s41598-017-00420-4 (2017)
2. Ganesh D, Torigoe K, Kumano-Kuramochi M, Machida S and Kobori T. Anal Sci., 35, 237-240 (2019)
3. T.Kobori, D.Ganesh, M.Kumano-Kuramochi, K.Torigoe and S.Machida. Analytical Biochemistry, 611, 15 (2020)

Patents

National Agriculture and Food Research Organization has granted Morinaga BioScience, Inc. the following patent in license.

1. JP 6617110
2. JP 7262102

For Research or Laboratory Use Only. Not for use in diagnostic or therapeutic procedures.



株式会社森永科学研究所

横浜市鶴見区下末吉2-1-1 〒230-8504

TEL: 045-586-2515(営業部)

045-586-2516(テクニカルサポート)

URL: <https://www.morinaga-biosci.co.jp>

E-mail: info_miobs@morinaga.co.jp