

HUMAN RAGE PROTEIN, HIS TAG

Cat.#: 11535

Product Name: Human RAGE Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: AGER

Target: RAGE

UNIPROT ID: Q15109

Description: Recombinant human RAGE protein with C-terminal 6xHis tag

Background: The advanced glycosylation end product (AGE) receptor encoded by this gene is a member of the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847). [provided by RefSeq, May 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.2 kDa after removal of the signal peptide. The apparent molecular mass of RAGE-His is approximately 35–55 kDa due to glycosylation.

Molecular Characterization: RAGE(Thr27–Thr340) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human RAGE Protein, His Tag on SDS-PAGE under reducing condition.