PRODUCT INFORMATION

Target	RAGE
Synonyms	AGER
Description	Recombinant human RAGE protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q15109
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	RAGE(Thr27-Thr340) 6×His tag
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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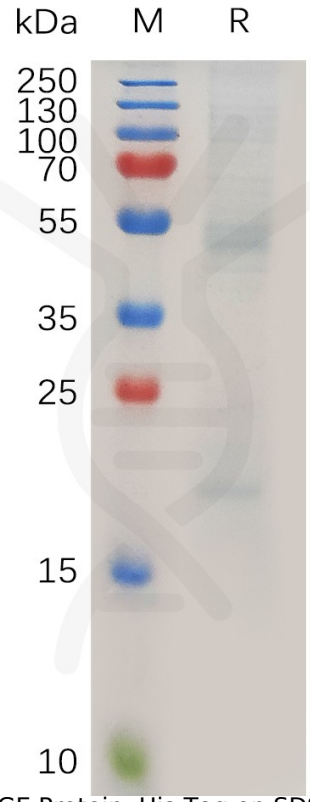


Figure 1. Human RAGE Protein, His Tag on SDS-PAGE under reducing condition.

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