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32-13456: RAGE Human, Sf9

Application :	Functional Assay
Alternative Name :	Advanced Glycosylation End-Product Specific Receptor, Advanced Glycosylation End Product-Specific Receptor, RAGE, Receptor for Advanced Glycation End-Products Variant 20, Receptor for Advanced Glycosylation End Products, Receptor for Advanced Glycation End-Products, RAGE Isoform NtRAGE-Delta, RAGE Isoform SRAGE-Delta, SCARJ1.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Advanced Glycosylation End Product-Specific Receptor or RAGE is an immunoglobulin, part of the immunoglobulin transmembrane proteins family. RAGE moderates Â interactions between advanced glycosylation end products, also known as AGE. These signaling has a crucial part in the regulation of TNFalpha,oxidative stress, endothelial dysfunction in type 2 diabetesproduction and expression. RAGE helps the translocation of ABPP (amyloid-beta peptide) through the membrane of cells to the intracellular area in the cortical neurons.
RAGE Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 561 amino acids (24-342 a.a) and having a molecular mass of 61.2kDa. RAGE is fused to a 242 amino acid hIgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The RAGE solution (0.25mg/1ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADLQNITARI GEPLVLKCKG APKKPPQRLE WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSLFLPAVG IQDEGIFRCQ AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY PAGTLSWHLD GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW EPVPLEEVQL VVEPEGGAVA PGGTVTLTCE VPAQPSPQIH WMKDGVPLPL PPSPVLILPE IGPQDQGTYS CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEA HNHYTQKSLS LSPGKHHHHH H.

Application Note

Measured by the ability of the binding activity in a functional ELISA. The ED50 range <=15ug/ml.