

Human RAGE Recombinant Protein



RPPB4820

Product Information Protein Information

Product SKU:

RPPB4820

Accession:

Q15109

Host:

Sf9, Baculovirus cells.

Protein description:

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 hlgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

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.

Formulation:

The RAGE solution (0.25mg/1ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

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 Sequence:

ADLQNITARI GEPLVKCKG APKKPPQRLE WKLNTGRTEA WKVLSPQGGG PWDSVARVLP NGSFLPAVG
IQDEGIFRCQ AMNRNGKETK SNYRVRVYQI PGKPEIVDSA SELTAGVPNK VGTCVSEGSY PAGTLSWHLD
GKPLVPNEKG VSVKEQTRRH PETGLFTLQS ELMVTPARGG DPRPTFSCSF SPGLPRHRAL RTAPIQPRVW
EPVPLEEVQL VVEPEGGAVA PGGTVTLTCE VPAQPSPQIH WMKDGVPPLP PPSVLILPE IGPQDQGTYS
CVATHSSHGP QESRAVSISI IEPGEEGPTA GSVGGSGLGT LALEPKSCDK THTCPPCPAP ELLGGPSVFL
FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD
WLNQKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTL PPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE
SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCVMHEA HNHYTQKLSLSPGKHHHHH H.

Biological Activity:

Measured by the ability of the binding activity in a functional ELISA. The ED50 range $\leq 15\mu\text{g/ml}$.