

RANK/TNFRSF11A/CD265 (C-6His), Mouse, Recombinant**Cat. No. : GPCK059****产品信息**

物种	Mouse
表达宿主	Human Cells
序列信息	Val31-Ser214
检索号	O35305
标签	C-6His
分子量	21.3 kDa
有效期	12 months

产品特性

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Receptor activator of NF-κB (RANK, TNFRSF11A) belongs to one member of tumor necrosis factor Receptor family. It is a Receptor for TNFSF11/RANKL/TRANCE/OPGL. This gene encodes a type 1 membrane Protein with a 30 amino acids (aa) signal peptide, 184 aa extracellular region, a 20 aa transmembrane domain and a 391 aa cytoplasmic region. Human and murine RANK share 81% aa identity in their extracellular domains. RANK is ubiquitous highly expressed in trabecular bone, thymus, small intestine, lung, brain and kidney, but weakly expressed in spleen and bone marrow. After binding its Ligand RANKL, RANK can activate signaling pathways such as NF-κB, JNK, ERK, p38, and Akt/PKB, through TRAF Protein phosphorylation. RANK/TNFRSF11A signaling is largely considered to be growth promoting and apoptosis reducing such as the effects observed in osteoclasts. RANK/TNFRSF11A was also found to be involved in the regulation of interactions between T-cells and dendritic cells.

