

RP00758

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Recombinant Mouse TNFRSF11A/RANK/CD265 Protein

Catalog No.: RP00758

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21934	O35305

Tags

C-6×His

Synonyms

Receptor activator of NF- κ B; tumor necrosis factor receptor superfamily member 11A; TRANCE receptor; Osteoclast differentiation factor receptor; NF κ B activator; TRANCE; CD265; TNFRSF11A; TRANCE R; CD265 antigen; ODFR

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Receptor activator of NF- κ B (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- κ B, 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.

Basic Information

Description

Recombinant Mouse TNFRSF11A/RANK/CD265 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Val31-Ser214) of mouse TNFRSF11A/RANK/CD265 (Accession #O35305) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

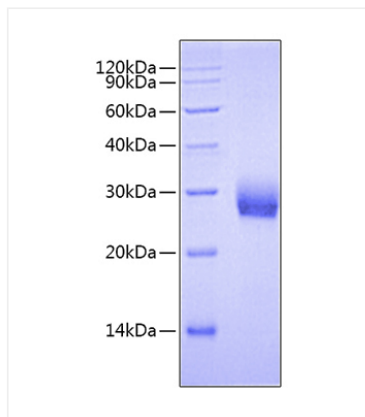
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse
TNFRSF11A/RANK/CD265 Protein was
determined by SDS-PAGE under reducing
conditions with Coomassie Blue.