RANK/TNFRSF11A/CD265 (C-6His), Human, Recombinant

Cat. No. : PCK058

General Information

Synonyms	CD265;ODFR;TNFRSF11A;TRANCE R;CD265;CD265 antigen;FEO;ODFROSTS;OFE;OPTB7; PDB2;RANK1;Receptor activator of NF-KB;Receptor activator of nuclear factor-kappa B; TRANCER;tumor necrosis factor Receptor superfamily member 11A
Species	Human
Expression host	Human Cells
Sequence	Ile30-Pro212
Accession	Q9Y6Q6
Tag	C-6His
Mol mass	21.1 kDa
Expiration date	12 months
Bio activity	Loaded Human RANK-His on HIS1K Biosensor, can bind Human RANK L with an affinity constant of < 1 pM as determined in BLI assay.

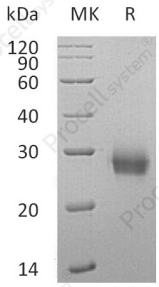
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	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.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	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.

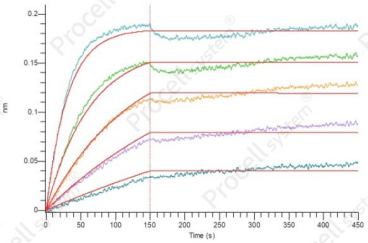
Background

Receptor Activator of Nuclear Factor κ B (RANK), also known as CD265, TRANCE Receptor or TNFRSF11A, is member of the tumor necrosis factor Receptor (TNFR) molecular superfamily. RANK is the Receptor for RANK-Ligand (RANKL) and part of the RANK/RANKL/OPG signaling pathway that regulates osteoclast differentiation and activation. It plays a vital role in bone remodeling and repair, immune cell function, lymph node development, thermal regulation, and mammary gland development. RANK is constitutively expressed in skeletal muscle, thymus, liver, colon, small intestine, adrenal gland, osteoclast, mammary gland epithelial cells, prostate, vascular cell, and pancreas.

SDS-PAGE



Bio activity



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