

# Recombinant Human RANK/TNFRSF11A Protein (His Tag)



Catalog Number:PKSH032987

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

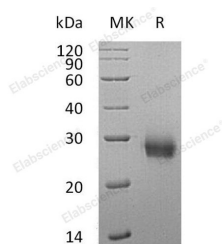
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ile30-Pro212
<b>Accession</b>	Q9Y6Q6
<b>Calculated Molecular Weight</b>	21.1 kDa
<b>Observed molecular weight</b>	25-30 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Receptor Activator of Nuclear Factor  $\kappa$  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

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intestine, adrenal gland, osteoclast, mammary gland epithelial cells, prostate, vascular cell, and pancreas.

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