## Recombinant Human RANK/TNFRSF11A Protein (His

### Tag)

Catalog Number: PKSH032987



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

Descri	4.0
LIACOPT	ntion

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

Sequence

Ile30-Pro212

Accession

Q9Y6Q6

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Ile30-Pro212

Q9Y6Q6

21.1 kDa

25-30 kDa

C-His

#### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Storage 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.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

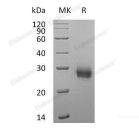
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** 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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