Recombinant Human RANK/TNFRSF11A Protein (His Tag)

Catalog No. PKSH032987

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

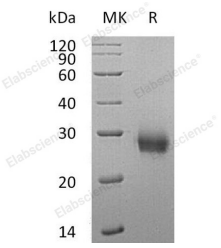
Description

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	HEK293 Cells
Sequence	Ile30-Pro212
Accession	Q9Y6Q6
Calculated Molecular Weight	21.1 kDa
Observed molecular weight	25-30 kDa
Tag	C-His
Bioactivity	Not validated for activity

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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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.

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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.

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