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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TNFRSF11A (Human) Recombinant Protein

Catalog Number: P9141

Regulation Status: For research use only (RUO)

Product Description: Human TNFRSF11A recombinant protein expressed in *Escherichia coli*.

Sequence:

QIAPPCTSEKHYEHLGRCCNKCEPGKYMSSKCTTTSD
SVCLPCGPDEYLDWNEEDKLLHKVCDTGKALVAVV
AGNSTTPRRCACTAGYHWSQDCECCRRNTECAPGL
GAQHPLQLNKDTVCKPCLAGYFSDAFSSTDKCRPWT
NCTFLGKRVEHHGTEKSDAVCSSSLPARK

Host: *Escherichia coli*

Theoretical MW (kDa): 19.1

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purification: chromatographic

Purity: > 98% as determined by (a) RP-HPLC.(b) SDS-PAGE.

Activity: ED₅₀ < 50 ng/mL, measured by the ability to inhibit sRANK Ligand induced nuclear factor kappa B (NFkappaB) in RAW 264.7 cells, corresponding to a specific activity of > 2.0 x 10⁴ IU/mg in the presence of 15 ng/ml of recombinant sRANK Ligand.

Isotype: *Escherichia Coli*.

Storage Buffer: Lyophilized from a solution containing 20 mM Tris-HCl, pH 8.0, 150 mM NaCl. Reconstitute the lyophilized powder in ddH₂O to 100 ug/mL.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days and should be stored

at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid repeated freeze/thaw cycles.

Entrez GeneID: 8792

Gene Symbol: TNFRSF11A

Gene Alias: CD265, FEO, LOH18CR1, ODFR, OFE, OPTB7, OST5, PDB2, RANK, TRANCER

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Studies of the mouse counterpart suggest that this receptor directly mediates the osteoprotegerin ligand (OPGL)-induced osteoclastogenesis in osteoclast precursor cells. [provided by RefSeq]