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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TNFSF11 (Human) Recombinant Protein

Catalog Number: P9144

Regulation Status: For research use only (RUO)

Product Description: Human TNFSF11 partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.

Sequence:

MGSSHHHHHSSGLVPRGSHMIRAEKAMVDGSWLDL
AKRSKLEAQPFAHLTINATDIPSGSHKVSLSWYHDRG
WAKISNMTFSNGKLIVNQDGFYYLYANICFRHHETSGD
LATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNS
EFHFYSINVGGFKLRSGEEISIEVSNPSLLDPDQDATY
FGAFKVRDID

Host: *Escherichia coli*

Theoretical MW (kDa): 22.3

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

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purification: chromatographic

Purity: > 80% as determined by SDS-PAGE.

Isotype: *Escherichia Coli*.

Storage Buffer: Solution (0.5 mg/mL) containing 20 mM Tris-HCl, pH 8.0, 20% glycerol, 0.1 M NaCl, 1 mM DTT.

Storage Instruction: Store at 4°C for 2-4 weeks 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: 8600

Gene Symbol: TNFSF11

Gene Alias: CD254, ODF, OPGL, OPTB2, RANKL, TRANCE, hRANKL2, sOdf

Gene Summary: This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants have been found. [provided by RefSeq]