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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TNFSF11 (Human) Recombinant Protein

Catalog Number: P9143

Regulation Status: For research use only (RUO)

Product Description: Human TNFSF11 recombinant protein expressed in *Escherichia coli*.

Sequence:

EKAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSH
KVSLSWYHDRGWAKISNMTFSNGKLIVNQDGFYLY
ANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSSHTLM
KGGSTKYWSGNSEHFHYSINVGFFKLRSGEEISIEVS
NPSLLDPDQDATYFGAFKVRDID

Host: *Escherichia coli*

Theoretical MW (kDa): 19.7

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

Purity: > 95% as determined by SDS-PAGE.

Activity: The activity of RAW-Blue is 38.8 ng/mL, corresponding to a specific activity of 2.6×10^4 IU/mg.

Isotype: *Escherichia Coli*.

Storage Buffer: Protein(1 mg/mL) was lyophilized from a solution containing 10 mM Sodium phosphate, pH 7.5. 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: 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]