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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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:

EKAMVDGSWDLAKRSKLEAQPFAHLTINATDIPSGSH
KVSLSSWYHDRGWAKISNMTFSNGKLIVNQDGFYYLY
ANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSSHTLM
KGGSTKYWSGNSEFHFYSINVGGFKLRSGEIEISIEVS
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]