

Specifications:

Gene:	<i>h</i> TNFSF11
Accession:	NP_003692
Insert size:	967bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

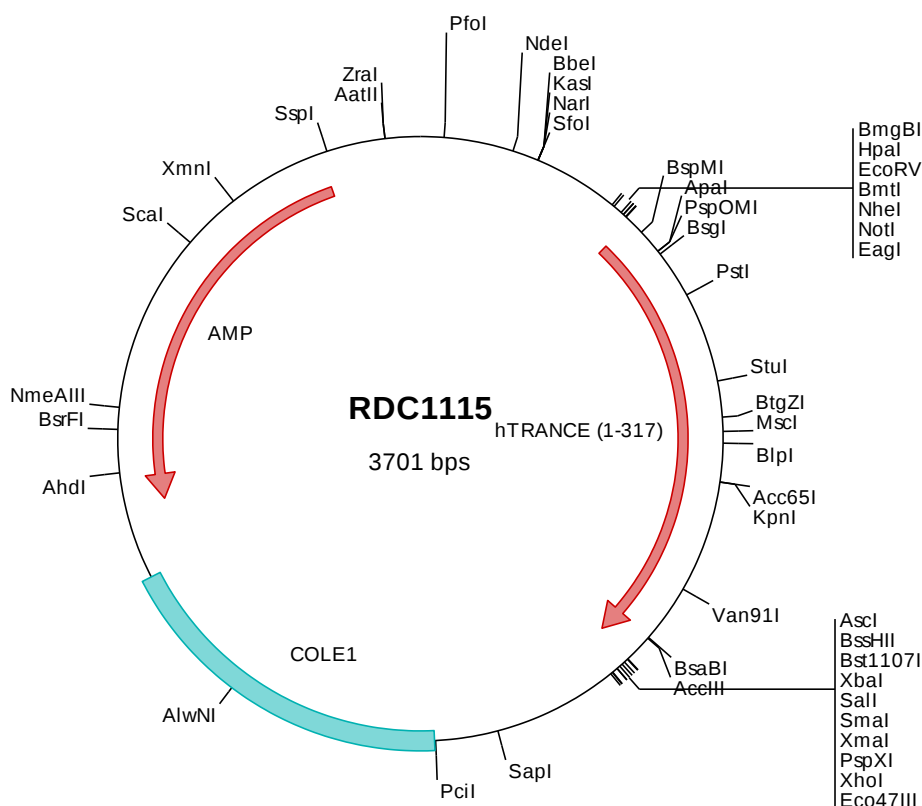
*h*TRANCE/RANKL cDNA Plasmid

**TNFSF11 tumor necrosis factor
(ligand) superfamily, member 11
[*Homo sapiens* (human)]**

Also known as: ODF; OPGL; sOdf;
CD254; OPTB2; RANKL; TRANCE;
hRANKL2

Summary:

TRANCE is a member of the tumor necrosis factor (TNF) cytokine family. TRANCE is primarily expressed in T cells and T cell rich organs, such as thymus and lymph nodes. The multi-functions of TRANCE include induction of activation of the c-jun N-terminal kinase, enhancement of T cell growth and dendritic cell function, induction of osteoclastogenesis, and lymph node organogenesis. Alternatively spliced transcripts encoding different proteins have been described.





> RDC1115 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttaggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggatccgata tgcgtagcgc ggccgccacc atgcgacgag ccagcagaga ctacaccaag tacctgcgtg gctcggagga
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601  gccctcctgg ggctggggct gggccagggt gtctgcagcg tgcctctgtt cttctatctt agagcgaga tggatcctaa tagaatatca gaagatggca
701  ctcaactgat ttatagaatt ttgagactcc atgaaaatgc agattttcaa gacacaactc tggagagtca agatacaaaa ttaatacctg attcatgtag
801  gagaattaaa caggccttcc aaggagctgt gcaaaaggaa ttacaacata tegttagtgc acagcacatc agagcagaga aagcgatggt ggatggctca
901  tggttagatc tggccaagag gagcaagcct gaagctcagc cttttgtctc tctcaactatt aatgccaccg acatcccatc tggttcccat aaagtgaagtc
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2701 agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggtctac catctggccc cagtgctgca atgataccgc gagaccacg ctcaccggct
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3601 tccgcgcaca tttcccgaa aagtgcacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gccctttcgt
3701 c
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> RDC1115 Translated Insert Sequence

```
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101  dttlesqdk lipdscrik qafggavqke lqhivgsqhi raekamvdgs wldlaksrkl eaqpfahti natdipsgsh kvsllsswyhd rgwakisnmt
201  fsngklivnq dgfylylani cfrhhetsgd lateylqlmw yvtktsikip sshtlmkggs tkywsgnsef hfysinvggf fklrsgeeis ievsnpslld
301  pdqdatyfga fkvrdid
```