

Product datasheet for RC231923

CD153 (TNFSF8) (NM_001252290) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD153 (TNFSF8) (NM_001252290) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD153
Synonyms: CD30L; CD30LG; CD153; TNLG3A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231923 representing NM_001252290.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCAGGGCTGCAGCAAGCACTCAACGGAATGGCCCTCCTGGAGACACAGCCATGCATGTGCCG
GCGGGCTCCGTGGCCAGCCACCTGGGGACCAGAGCCGAGCTATTTCTATTTGACCACAGCCACTCTG
GCTCTGTGCCTTGTCTTACGGTGGCCACTATTATGGTGTGGTTCGTTCCAGAGGACGGACTCCATTCCC
AACTCACCTGACAACGTCCCCCTCAAAGGAGGAAATTGCTCAGAAGACCTTTATGTATCCTGAAAAGG
GCTCCATTCAAGAAGTCATGGGCCTACCTCCAAGTGGCAAAGCATCTAAACAAAACCAAGTTGTCTTGG
AACAAAGATGGCATTCTCCATGGAGTCAGATATCAGGATGGGAATCTGGTGATCCAATTCCTGATTAC
TGTGGCATGATCCTCCACCATTCACTCTACCCTGGACTCTGGGAAGGGACACTGCTGCCTTAAACT
CTACAACCC
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Protein Sequence: >Peptide sequence encoded by RC231923
Blue=ORF Red=Cloning site Green=Tag(s)

```
MDPGLQQALNGMAPPDGTAMHVPAGSVASHLGTTSRSYFYLTATLALCLVFTVATIMVLVVQRTDSIP
NSPDNVPLKGGNCSDDLCLILKRAPFKKSWAYLQVAKHLNKTLSWKNKGILHGVRVQDGNLVIQFPDY
CGMILHSHSTLDSGKGHCCLETLQP
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001252290

ORF Size: 492 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001252290.1](#), [NP_001239219.1](#)

RefSeq Size: 1526 bp

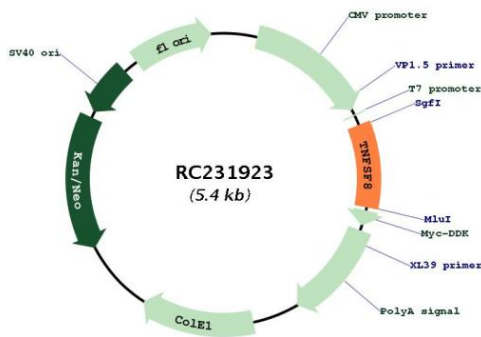
RefSeq ORF: 495 bp

Locus ID: 944

Cytogenetics: 9q32-q33.1
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Cytokine-cytokine receptor interaction
MW: 17.8 kDa

Gene Summary: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Product images:



Circular map for RC231923