

Product datasheet for **RC200238**

ERG28 (C14orf1) (NM_007176) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: ERG28

Synonyms: C14orf1; NET51

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC200238 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCGTTTCCTGAATGTGTTAAGAAGTTGGCTGGTTATGGTGTCCATCATAGCCATGGGGAACACGC
TGCAGAGCTTCGAGACCACACTTTTCTCTATGAAAAGCTCTACACTGGCAAGCCAAACCTTGTAATGG
CCTCCAAGCTCGGACCTTTGGGATCTGGACGCTGCTCTCATCAGTGATTCGCTGCCTCTGTGCCATTGAC
ATTCACAACAAGACGCTCTATCACATCACACTCTGGACCTTCCTCCTTGGCCTGGGGCATTTCCTCTCTG
AGTTGTTTGTCTATGGAAGTGCAGCTCCACGATTGGCGTCTGGCACCCTGATGGTGGAAGTTTCTC
CATCTGGGTATGCTGGTGGGCTCCGGTATCTAGAAGTAGAACCAGTATCCAGACAGAAGAAGAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200238 protein sequence
Red=Cloning site Green=Tags(s)

MSRFLNVLRSWLVMVSIAMGNTLQSFDRHTFLYEKLYTGKPNLVNGLQARTFGIWTLLSSVIRCLCAID
IHNKTLYHITLWTFLLALGHFLSELFVYGTAAPTIGVLAPLMVASFSILGMLVGLRYLEVPSRQKKRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6399_a09.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_007176

ORF Size: 420 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:

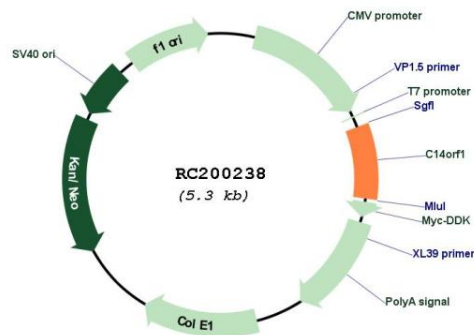
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

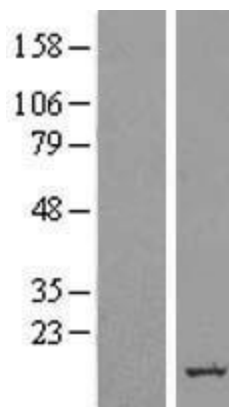
RefSeq: [NM_007176.4](#)

RefSeq Size:	1576 bp
RefSeq ORF:	423 bp
Locus ID:	11161
UniProt ID:	Q9UKR5
Cytogenetics:	14q24.3
Domains:	Erg28
Protein Families:	Transmembrane
MW:	15.9 kDa

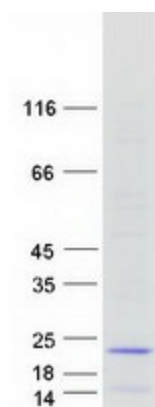
Product images:



Circular map for RC200238



Western blot validation of overexpression lysate (Cat# [LY416149]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200238 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ERG28 protein (Cat# [TP300238]). The protein was produced from HEK293T cells transfected with ERG28 cDNA clone (Cat# RC200238) using MegaTran 2.0 (Cat# [TT210002]).