

Product datasheet for **RC220708**

Zinc finger protein 287 (ZNF287) (NM_020653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zinc finger protein 287 (ZNF287) (NM_020653) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zinc finger protein 287
Synonyms:	ZKSCAN13; ZSCAN45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220708 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACAGTTCTTCACGTTCTCAAATCCTTCTAAGGTGGAAGTCAGACAAGGCTCAGAGTGGACCCTACA
 ATGTTGAGAAGGAAATCCTTACTTCAAGATTCTTGCGTGACACTGAGACCTGTCGACAGAATTTTAGGAA
 TTTTCCATACCCAGACCTGGCTGGTCTCGAAAGGCATTGAGTCAACTCCGAGAGCTCTGCCTTAAGTGG
 CTGAGACCTGAGATTCACTCAAAGGAACAAATTTGGAGCTGCTGGTGGTGGAGCAATTCCTGACCATCC
 TGCCTGGTGGAGTTAGGACTTGGGTAAGTCCCAGTATCCAGAGAGCAGCGAGGAAGCAGTGACTCTGGT
 GGAGGATTTGACTCAGATTCTAGAAGAGGAAGCTCCTCAAACCTACCTTTCCCAAGATACCCAGAG
 GAAGACCCAGAGGAAAACATGCTTTCCAGACAGGATGGCTAAATGACTTGGTGACCAAAGAATCGATGA
 CATTCAAAGATGTGGCTGTAGACATACCCAGGAGGACTGGGAGTTAATGCGTCTGTGCAGAAGGAATT
 ATACAAGACTGTGACGTTACAGAACTATTGGAACATGGTTTCTCTGGGACTTACAGTGTACAGACCAACT
 GTGATCCCATATTGGAAGAACCATGGATGGTGATAAAAAGAAATTTAGAAAGCCCTAGTCCAGAATGGG
 AAATAAGCCCAAGCATGTACTCCAGTGGAGGATATGTCTAAACTCACAAAGGAAGAAACCCATACCAT
 CAAATTAGAAGACTCATATGACTACGATGATAGACTAGAGAGGCGAGGAAAAGGTGGCTTCTGGAAAATT
 CACACTGATGAAAGAGGTTTCAGTTTGAAGTCAGTCTTTCAAGAATATGATCCTACAGAAGAATGTC
 TTAGTAAATATGATATATAGAAAATATTTTGAAGGCACTTCAAACCTAATTGTACAGTTTGATACCCA
 ATTAGATAATAAACTTCTGTGTATAATGAAGGCAAGGCAACCTTCAATCATGTCTCATATGGTATTGTA
 CATAGGAAAATACTTCTGGAGAGAAGCCTTACAAGTGTAAATGTGTGGGAAAAAATTTAGGAAATACC
 CATCCCTCCTGAAACACCAAAGTACCCATGCCAAAGAGAAATCGTATGAATGTGAAGAATGTGGAAAGA
 GTTTAGGCATATCTCATCCCTTATTGCACATCAGAGAATGCACACTGGAGAAAAACCATATGAATGCCAC
 CAGTGTGGTAAAGCCTTCAAGCCAGCGTGCACACCTTACTATACATCAGAGAATTCATACTGGAGAGAAAC
 CCTATAAGTGTGATGACTGTGGGAAAGACTTCACTCAGCGTGCACACCTTACCATCCATCAAAGGACACA
 TACTGGAGAGAAACCATATAAATGCTTGGAAATGTGGTAAACCTTCACTCATAGTTTCACTGATTAAT
 CATCAGAGAGTTCATACTGGAGAAAAACCTTATATGCAATGAATGTGGGAAGACTTTCAGTCAAGTA
 CACACCTTCTTCAAGCATCAAAAAATACATACTGGGAAGAAACCATATAAATGCAATGAATGTTGGAAAGT
 GTTTAGTCAGAGTACTTACCTTATTCGACATCAGAGAATTCATTCTGGAGAGAAGTGTATAAATGTAAT
 GAATGTGGAAAAGCCTTTGCTCATTCTCAACCTTATTCACATCAAACCACTCACACTGGAGAGAAAT
 CCTATATATGTAATATATGTGGGAAAGCCTTCAAGCCAGAGTGCAATCTTACTCAACATCATAGAACACA
 TACTGGAGAGAAACCATATAAATGCAGTGTGTGGGAAAGCATTCAAGCCAGAGTGTGCACCTTACTCAA
 CATCAGAGGATTCATAATGGAGAAAAACCTTTAAATGCAATATATGTGGGAAAGCATATAGACAAGGCG
 CAAATCTTACTCAGCATCAAAGGATTCATACTGGAGAAAAACCTTATAAATGTAATGAATGTGGGAAAGC
 TTTTATTTATTCCTCATCACTTAAATCAACATCAGAGAACTCATACTGGAGAGAGACCCTATAAATGTAAT
 GAATGTGATAAGGATTTTAGCCAGAGAACATGCCTTATTCAACACCAGAGAATTCACACAGGAGAGAAAC
 CCTATGCATGTCGTATATGTGGTAAACCTTCAACCCAGAGTACAAACCTTATTGAGCATCAACGTGTTCA
 TACAGGTGCCAAACATCGTAAT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC220708 protein sequence
 Red=Cloning site Green=Tags(s)

MNSSRSQILLRWKSDKAQSGPYNVEKEILTSRFLRDTETCRQNFNFPYDLAGPRKALSQLRELCLKW
 LRPEIHSKEQILELLVLEQFLTILPGEVRTWVKSQYPESEEAVTLVEDLTQILEEEAPQNSTLSQDTPE
 EDPRGKHAFQTGWLNDLVTKESMTFKDVAVDITQEDWELMRPVQKELYKTVTLQNYWVMVSLGLTVYRPT
 VIPILEEPWMVIKEILEGSPWETKAQACTPVEDMSKLTKEETHTIKLEDSYDYDDRLERRGKGGFWKI
 HTDERGFSLSVLSQEYDPTTEECLSKYDIYRNNFEKHSNLIQVFDTQLDNKTSVYNEGRATFNHVSYGIV
 HRKILPGEKPYKCNVCGKKFRKYPSSLKHQSTHAKESYECEECEGKEFRHISL IAHQRMHTGEKPYECH
 QCGKAFSQR AHLTIHQRIHTGEKPYKDDCGKDF SQR AHLTIHQRTHTGEKPYKLECGKTF SHSSSLIN
 HQRVHTGEKPYICNECGKTF SQSTHLLQH QKIHTGKKPYKCNECWKVF SQSTYLIRHQRIHSGEKYKCN
 ECGKAFASSTLIQHQTHTTGEKSYICNICGKAFS QSANLTQHHRHTTGEKPYKCSVCGKAFS QSVHLTQ
 HQR IHNGEKPFKCNICGKAYRQGANLTQHQR IHTGEKPYKCNECGKAFIYSSSLNQHQRTHTGERPYKCN
 ECDKDFSQRTCLIQHQRIHTGEKPYACRICGKTF TQSTNLIQHQRVHTGAKHRN

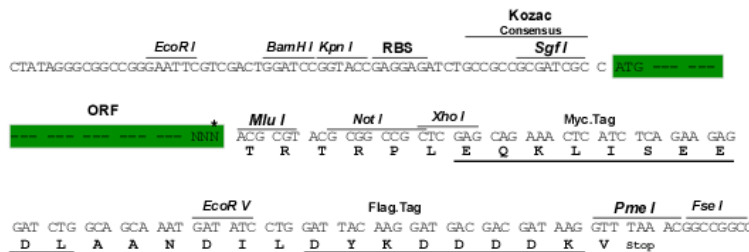
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6609_a10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020653

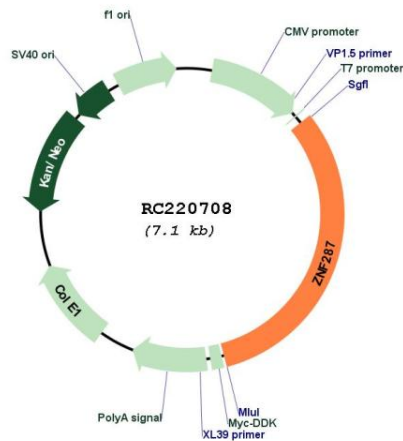
ORF Size: 2262 bp

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](#)

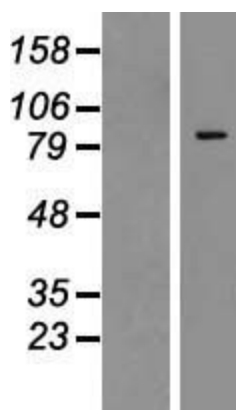
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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:	<u>NM_020653.1, NP_065704.1</u>
RefSeq Size:	4278 bp
RefSeq ORF:	2286 bp
Locus ID:	57336
UniProt ID:	<u>Q9HBT7</u>
Cytogenetics:	17p11.2
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
MW:	87.6 kDa
Gene Summary:	This gene encodes a member of the krueppel family of zinc finger proteins, suggesting a role as a transcription factor. Its specific function has not been determined. This gene is located near the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC220708



Western blot validation of overexpression lysate (Cat# [LY412315]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220708 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).