

## Product datasheet for RC212629

### ZNF302 (NM\_001012320) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF302 (NM_001012320) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF302
Synonyms:	HSD16; MST154; MSTP154; ZNF135L; ZNF140L; ZNF327
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212629 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTCTCAGGTGACATTTAGTGATGTGGCTATAGACTTCTCTCATGAAGAGTGGGCATGCCTAGATTCTG  
CTCAGAGGGACTTATACAAGGATGTGATGGTCCAGAATTATGAGAACCTGGTCTCTGTAGGTCTTTCCGT  
AACTAAGCCATATGTGATCATGTTATTGGAGGATGGAAAAGAGCCCTGGATGATGGAGAAAAACTGTCA  
AAAGATTGGGAATCAAGATGGGAAAACAAGGAATTATCAACAAAAGAGGATTTTATGATGAAGATTCAC  
CCCAACCAGTAACAATGGAAAAGTTGTAACAAAGTTATGAATTTTCAAATCTAATAAGAATTTGGA  
ATATACAGAATGCGACACATTTAGAAGCACCTTTCATTCAAAGTCTACTCTTTCTGAACCACAAAACAAT  
TCTGCTGAAGGGAATTCACACAAATATGATATATTAAGAAGAATTTATCAAAAAAGTCAGTTATAAAAA  
GTGAGAGAATAAATGGTGGAAAAGAACTTTTAAATCTAATAAAAAGTGGGCGAGCCTTCAACCAGAGCAA  
ATCTCTTACCCTTCCCCAGACTTGTAATAGAGAGAAAACTATACATGCAGTGAATGTGGAAAAGCCTTT  
GGCAAACAGTCAATCCTCAGTCGCCACTGGAGAATTCATACAGGAGAGAAGCCCTATGAATGTCGTGAAT  
GTGGGAAGACTTTTAGCCATGGTTCATCCCTTACACGACATCAGATAAGCCATAGTGAGAGAAAACCTTA  
CAATGCATTGAATGTGGGAAGGCCTTTAGCCATGGCTCATCACTTACTAACCATCAGAGCACTCACAGC  
GGAGAGAAAACCGTATGAATGTGAATGTGAAAGTCTTTTAGTGTGTCCCTTCTCATTGAGCAGCATC  
TAAGAATTCATACGCAAGAAAAACGCTATGAGTGTGATATGTTGAAAGGCCTTCAATTCATAGTTGCTC  
TCTCATTACCATCAGAAAAGCCATACTGGAGAGAAGCCTTATGAATGTAGAGAATGTGGAAAAGCTTTC  
TGCTGTAGCTCACACCTTACTCAACATCAAGAATTCACAGTATGAAGAAAAATATGAATGCAACAAAT  
GTCTCAAGGTCTTTAGTAGCTTCTCATTCTTGTTC AACATCAGAGTATTCATACTGAAGAAAAACCGTT  
TGAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC212629 protein sequence  
Red=Cloning site Green=Tags(s)

MSQVTFSDVAIDFSHEEWACLDSAQRDL YKDV MVQNYENLVSVGLSVTKPYVIMLLEDGKEPMMMEKLS  
 KDWESRWENKELSTKKDIYDEDSPQPVTMEKVVKQSYEF SNSNKNLEYTECDTFRSTFHSTLSEPONN  
 SAEGNSHKYDILKKNLSKKSIVIKSERINGGKLLNSNKSAAFNQSKSL TLPQTCNREKIYTCSECGKAF  
 GKQSILSRHWRIHTGEKPYECRECGKTF SHGSSL TRHQI SHS GEKPYKCI ECGKAF SHGSSL TNHQSTHT  
 GEKPYECMNCGKSF SRVSLLIQHLRIHTQEKRYECRICGKAF IHSSSLIHHQKSHTGEKPYECRECGKAF  
 CCSSHLTQHRIHSMKKKYECNKCLKVFSSFSFLVQHQSIHTEEPFEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6536\\_a07.zip](https://cdn.origene.com/chromatograms/mk6536_a07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001012320

**ORF Size:** 1197 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\\_001012320.2](#), [NP\\_001012320.1](#)

**RefSeq Size:** 2665 bp

**RefSeq ORF:** 1200 bp

**Locus ID:** 55900

**UniProt ID:** [Q9NR11](#)

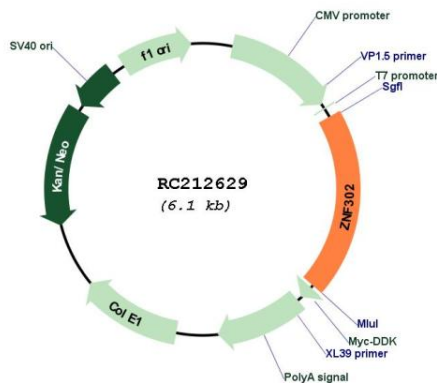
**Cytogenetics:** 19q13.11

**Protein Families:** Transcription Factors

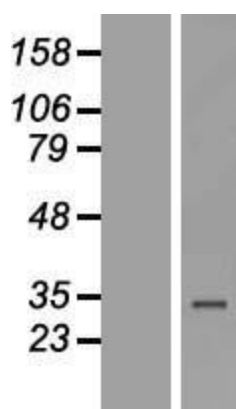
**MW:** 45.9 kDa

**Gene Summary:** This gene encodes a member of the zinc-finger protein family. The encoded protein contains seven C2H2-type zinc fingers and a KRAB domain, but its function has yet to be determined. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2014]

**Product images:**



Circular map for RC212629



Western blot validation of overexpression lysate (Cat# [LY423323]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212629 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).