

Product datasheet for RC205196

ZNF302 (NM_018443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF302 (NM_018443) 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:	>RC205196 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCAGGTGACATTTAGTGATGTGGCTATAGACTTCTCTCATGAAGAGTGGGCATGCCTAGATTCTG
CTCAGAGGGACTTATACAAGGATGTGATGGTCCAGAATTATGAGAACCTGGTCTCTGTAGGCTTTCCGT
AACTAAGCCATATGTGATCATGTTATTGGAGGATGGAAAAGAGCCCTGGATGATGGAGAAAAACTGTCA
AAAGATTGGGAATCAAGATGGGAAAACAAGGAATTATCAACAAAAGAGGATTTTATGATGAAGATTCAC
CCCAACCAGTAACAATGGAAAAGTTGTAACAAAGTTATGAATTTTCAAATCTAATAAGAATTTGGA
ATATACAGAATGCGACACATTTAGAAGCACCTTTCATTCAAAGTCTACTCTTTCTGAACCACAAAACAAT
TCTGCTGAAGGAATTCACACAAATATGATATATTAAGAAGAATTTATCAAAAAAGTCAGTTATAAAAA
GTGAGAGAATAAATGGTGGAAAAGAACTTTTAAATCTAATAAAAAGTGGGCAGCCTTCAACCAGAGCAA
ATCTCTTACCCTTCCCCAGACTTGTAATAGAGAGAAAACTATACATGCAGTGAATGTGGAAAAGCCTTT
GGCAAACAGTCAATCCTCAGTCGCCACTGGAGAATTCATACAGGAGAGAAGCCCTATGAATGTCGTGAAT
GTGGGAAGACTTTTAGCCATGGTTCATCCCTTACACGACATCAGATAAGCCATAGTGAGAGAAAACCTTA
CAAATGCATTGAATGTGGGAAGGCCTTTAGCCATGGCTCATCACTTACTAACCATCAGAGCACTCACAG
GGAGAAAACCGTATGAATGTGAATGTGAAAGTCTTTTAGTGTGTCCCTTCTCATTGAGCATC
TAAGAATTCATACGCAAGAAAACGCTATGAGTGTGATATGTGGAAAAGCCTTCAATTCATAGTTGCTC
TCTCATTACCATCAGAAAAGCCATACTGGAGAGAAGCCTTATGAATGTAGAGAATGTGGAAAAGCTTTC
TGCTGTAGCTCACACCTTACTCAACATCAAAGAATTCACAGTATGAAGAAAAATATGAATGCAACAAAT
GTCTCAAGGTCTTTAGTAGCTTCTCATTCTTGTTC AACATCAGAGTATTCATACTGAAGAAAACCGTT
TGAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205196 protein sequence
Red=Cloning site Green=Tags(s)

MSQVTFSDVAIDFSHEEWACLDSAQRDL YKDV MVQNYENLVSVGLSVTKPYVIMLLEDGKEPWMEKKLS
 KDWESRWENKELSTKKDIYDEDSPQPVTMEKVVKQSYEF SNSNKNLEYTECDTFRSTFH SKSTLSE PQNN
 SAEGNSHKYDILKKNLSKKSVIKSERINGGKLLNSNKS GAAFNQSKSL TLPQTCNREKIYTCSECGKAF
 GKQSILSRHWRIHTGEKPYECRECGKTF SHGSSL TRHQI SHS GEKPYKCI ECGKAF SHGSSL TNHQSTHT
 GEKPYECMNCGKSF SRVSLLIQHLRIHTQEKRYE CRICGKAF IHSSSLIHHQKSHTGEKPYECRECGKAF
 CCSSHLTQHRIHSMKKKYECNKCLKVFSSFSFLVQHQS IHTTEEPFEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: 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_018443

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_018443.3](#)

RefSeq Size: 2688 bp

RefSeq ORF: 1200 bp

Locus ID: 55900

UniProt ID: [Q9NR11](#)

Cytogenetics: 19q13.11

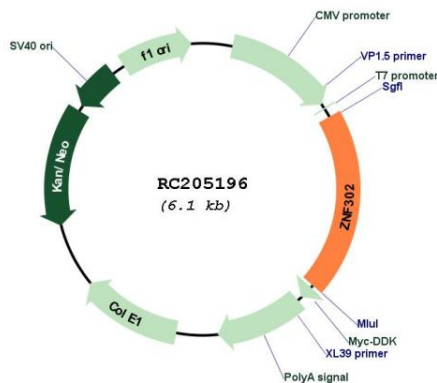
Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

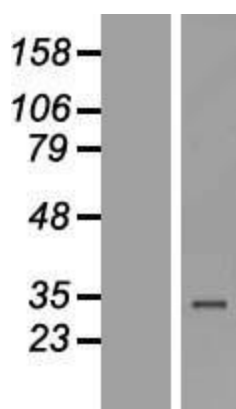
MW: 45.9 kDa

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 RC205196



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]).