

Product datasheet for **RC230132**

ZNF185 (NM_001178113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF185 (NM_001178113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF185
Synonyms:	SCELL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230132 representing NM_001178113
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCACTGAGGATTACAAGAAGCTGGCACCCCTACAATATCAGGCGCAGCTCTACATCAGGGGACACCG
 AGGAGGAGGAGGAGGAGGAGGTGGTCCATTCTCCTCAGATGAACAGAAACGGAGCAGCTCTACCCAGGA
 GACACAGGCACCGTTTATCGCGAAGAGGGTGGAGGTGGTGAAGAGGACGGGCCTTCTGAGAAGAGCCAG
 GACCCACCTGCTCTGGCAAGATCCACTCCTGGCTCAAACAGGTCTTCCCCAGGCAACAAAGACAAGGAGG
 CCCCTGCTCCAGAGAGCTCCAGAGGGACTTGGCTGGTGAAGGAGGCTTTCAGGGCCCCAACACAGATGC
 TGCAAGGTCAAGTGCACAGTTGAGTGATGGCAATGTGGGATCCGGAGCCACGGGCTCCCGGCTGAAGGC
 TTGGCTGCAGTAGACATCGGCTCCGAGAGAGGAAGCTCCAGTGCCACTTCAGTCTCTGCTGTCCCTGCTG
 ATAGGAAGAGCAACAGCACAGCAGCCAGGAGGATGCAAAGGCAGACCCAAAGGGGGCCTTGGCTGATTA
 TGAGGGGAAGGATGTGGCCACCAGGGTCGGAGAGGCCTGGCAGGAGAGGCTGGAGCTCCAAGAGGTGGC
 CAAGGAGACCCAGCTGTACCCGCTCAGCAACCTGCAGATCCCAGCACCCAGAGCGGCAGAGCAGCCCCA
 GCGGATCTGAGCAACTTGTGAGACGAGAGAGTTGTGGCAGCAGCGTGTGACTGATTTTGAGGGGAAGGA
 TGTGGCCACCAAGGTCGGAGAGGCCTGGCAGGACAGGCCTGGAGCCCCAAGAGGTGGCAAGGAGACCCA
 GCTGTACCCACTCAGCAACCTGCAGATCCCAGTACCCAGAACAGCAGAACAGCCCCAGCGGATCTGAGC
 AATTCTGTCAGACGAGAGAGCTGCACCAGCAGGGTGAAGGAGCCCCGAGCTGCATGGTCACTGTTACTGT
 CACTGCCACATCTGAGCAGCCTCACATTTATATCCAGCCCCGCAAGTGAATTGGACTCCAGCTCTACC
 ACCAAAGGATTCTCTTCGTGAAGGAGTACGTGAATGCTAGTGAAGTGTCTTCTGGGAAGCCAGTATCTG
 CAGCTATAGCAACGTCAGCAGCATTGAGGACTCATTGCCATGGAGAAGAAGCCTCCATGTGGCAGCAC
 TCCATACTCTGAGAGGACAACCTGGAGGGATCTGTACTTACTGCAACCGTGAGATCCGAGACTGTCCAAAG
 ATTACCTAGAACATCTTGGTATCTGCTGCCATGAATATTGCTTTAAGTGTGGGATTTGCAGTAAACCGA
 TGGGCGATCTCCTGGATCAGATCTTCATTCACCGTGACACCATTCACTGTGGGAAATGCTATGAGAAGCT
 CTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230132 representing NM_001178113
 Red=Cloning site Green=Tags(s)

MTTEDYKKLAPYNIIRRSSTSGDTEEEEEVVVPSDEQKRSSPTQETQAPFIAKRVEVVEEDGPSEKSQ
 DPPALARSTPGSNRSPGNKDKEAPCSRELQRDLAGEEAFRAPNTDAARSSAQLSDGNVGSATGSRPEG
 LAAVDIGSERGSSSATSVS AVPADRKSNSTAAQEDAKADPKGALADYEGKDVATRVGEAWQERPGAPRGG
 QGDP AVPAQQPADPSTPERQSSPSGSEQLVRRSCGSSVLTDFEGKDVATKVGAWQDRPGAPRGGQGD
 AVPTQQPADPSTPEQQNSPSGSEQFVRRESCTSRVRSPPSCMVTVTATSEQPHIYIPAPASELDSST
 TKGILFVKEYVNASEVSSGKPVSAARYSNVSSIEDSFAMEKKPPCGSTPYSSERTGGICTYCNREIRDCPK
 ITLEHLGICCHEYCFKCGICSKPMGDLLDQIFIHRDTHCGKCYEKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8062_a02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001178113

ORF Size: 1404 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_001178113.1](#), [NP_001171584.1](#)

RefSeq ORF: 1407 bp

Locus ID: 7739

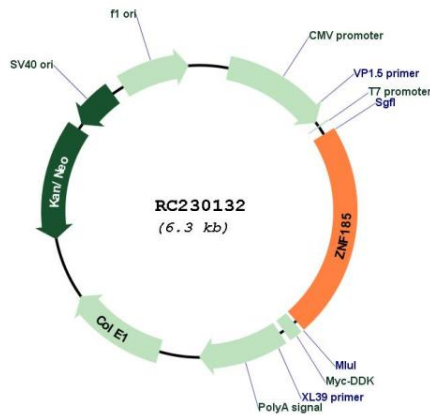
UniProt ID: [O15231](#)

Cytogenetics: Xq28

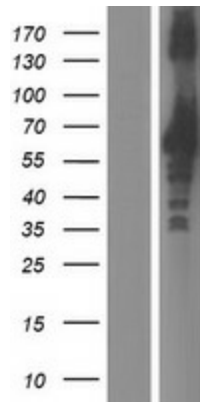
MW: 50.4 kDa

Gene Summary:

Zinc-finger proteins bind nucleic acids and play important roles in various cellular functions, including cell proliferation, differentiation, and apoptosis. This gene encodes a LIM-domain zinc finger protein. The LIM domain is composed of two contiguous zinc finger domains, separated by a two-amino acid residue hydrophobic linker. The LIM domain mediates protein:protein interactions. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, May 2010]

Product images:


Circular map for RC230132



Western blot validation of overexpression lysate (Cat# [LY433132]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230132 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).