OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC230456

ZNF185 (NM_001178106) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF185 (NM_001178106) 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)

ORF Nucleotide Sequence:

>RC230456 representing NM_001178106
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTATCTCAGCTCTTGGAGGCCGCACCAAAGGGAAGCCTCTGCCACCAGGCGAGGAGGAGCGCAATA
ACGTTCTCAAGCAGATGAAAGTGCGAACCACGCTGAAGGGGGACAAGAGCTGGATTACCAAGCAGGATGA
ATCGGAGGGTCGCACCATAGAGCTGCCCTCAGGCCGGAGTCGCGCCACATCCTTTTCATCAGCTGGGGAG
GTTCCGAAGCCTAGGCCTCCGAGCACAAGGGCTCCCACTGGCTACATCATCCGGGGAGTGTTCACCAAGC
CCATAGACAGCTCTTCCCAGCCCCAGCAGCAGTTCCCCAAGGCCAACGGGACTCCAAAAAGTGCTGCCAG
TCTGGTGAGAACAGCTAACGCTGGTCCTCCCCGCCCCTCCTCCTCTGGCTACAAGATGACCACTGAGGAT
TACAAGAAGCTGGCACCCTACAATATCAGGCGCAGCTCTACATCAGGGGACACCGAGGAGGAGGAGGAGG
AGGAGGTGGTGCCATTCTCCTCAGATGAACAGAAACGGAGGTCAGAGGCTGCAAGCGGTGTTCTGAGGAG
GACAGCTCCCCGGGAGCACTCCTACGTCCTGTCAGCGGCCAAGAAGAGCACTGGTCCTACCCAGGAGACA
CAGGCACCGTTTATCGCGAAGAGGGTGGAGGTGGTGGAAGAGGACGGGCCTTCTGAGAAGAGCCAGGACC
CACCTGCTCTGGCAAGATCCACTCCTGGCTCAAACAGTGCGGATGGAGGCAGGACCAAAGCGTCTCGGGC
AATTTGGATCGAGTGCCTGCCAAGTATGCCTAGCCCCGCTGGGAGCCAGGAGCTCAGCTCAAGAGGTGAG
GAAATTGTCCGCCTGCAGATCCTGACACCCAGGGCAGGACTCCGCCTGGTGGCCCCAGACGTGGAAGGCA
TGAGGTCTTCCCCAGGCAACAAAGACAAGGAGGCCCCCTGCTCCAGAGAGCTCCAGAGGGACTTGGCTGG
TGAGGAGGCTTTCAGGGCCCCCAACACAGATGCTGCAAGGTCAAGTGCACAGTTGAGTGATGGCAATGTG
GGATCCGGAGCCACGGGCTCCCGGCCTGAAGGCTTGGCTGCAGTAGACATCGGCTCCGAGAGAGGAAGGC
TGTGTGCAGCTGCTAGCTTTGCCTCTTTCCTGGAAGACCAGGATGGGCACAGTGCCAACTCTCAGTCCTG
CAAGCCTAGACCAGCAGCCATCAGCTCCAGTGCCACTTCAGTCTCTGCTGTCCCTGCTGATAGGAAGAGC
AACAGCACAGCAGCCCAGGAGGATGCAAAGGCAGACCCAAAGGGGGCCTTGGCTGATTATGAGGGGAAGG
ATGTGGCCACCAGGGTCGGAGAGGCCTGGCAGGAGAGGCCTGGAGCTCCAAGAGGTGGCCAAGGAGACCC
AGCTGTACCCGCTCAGCAACCTGCAGATCCCAGCACCCCAGAGCGGCAGAGCAGCCCCAGCGGATCTGAG
CAACTTGTCAGACGAGAGAGTTGTGGCAGCAGCGTGTTGACTGATTTTGAGGGGAAGGATGTGGCCACCA
AGGTCGGAGAGGCCTGGCAGGACAGGCCTGGAGCCCCAAGAGGTGGCCAAGGAGACCCAGCTGTACCCAC
TCAGCAACCTGCAGATCCCAGTACCCCAGAACAGCAGAACAGCCCCAGCGGATCTGAGCAATTCGTCAGA
CGAGAGAGCTGCACCAGCAGGGTGAGGAGCCCCTCGAGCTGCATGGTCACTGTTACTGTCACTGCCACAT
CTGAGCAGCCTCACATTTATATTCCAGCCCCCGCAAGTGAATTGGACTCCAGCTCTACCACCAAAGGGAT
TCTCTTCGTGAAGGAGTACGTGAATGCTAGTGAAGTGTCTTCTGGGAAGCCAGTATCTGCACGCTATAGC
AACGTCAGCAGCATTGAGGACTCATTCGCCATGGAGAAGAAGCCTCCATGTGGCAGCACTCCATACTCTG
AGAGGACAACTGGAGGGATCTGTACTTACTGCAACCGTGAGATCCGAGACTGTCCAAAGATTACCCTAGA
ACATCTTGGTATCTGCTGCCATGAATATTGCTTTAAGTGTGGGATTTGCAGTAAACCGATGGGCGATCTC
CTGGATCAGATCTTCATTCACCGTGACACCATTCACTGTGGGAAATGCTATGAGAAGCTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

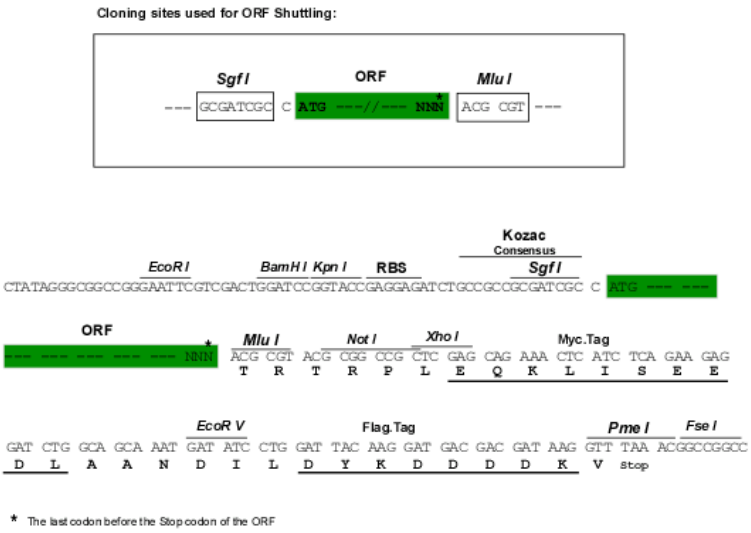
>RC230456 representing NM_001178106
Red=Cloning site Green=Tags(s)

MSISALGGRTKGKPLPPGEEERNNVLKQMKVRTTLKGDKSWITKQDESEGRTIELPSGRSRATSFSSAGE
VPKPRPPSTRAPTGYIIRGVFTKPIDSSSQPQQQFPKANGTPKSAASLVRTANAGPPRPSSSGYKMTTED
YKKLAPYNIRRSSTSGDTEEEEEEEVVPFSSDEQKRRSEAASGVLRRTAPREHSYVLSAAKKSTGPTQET
QAPFIAKRVEVVEEDGPSEKSQDPPALARSTPGSNSADGGRTKASRAIWIECLPSMPSPAGSQELSSRGE
EIVRLQILTPRAGLRLVAPDVEGMRSSPGNKDKEAPCSRELQRDLAGEEAFRAPNTDAARSSAQLSDGNV
GSGATGSRPEGLAAVDIGSERGRLCAAASFASFLEDQDGHSANSQSCKPRPAAISSSATSVSAVPADRKS
NSTAAQEDAKADPKGALADYEGKDVATRVGEAWQERPGAPRGGQGDPAVPAQQPADPSTPERQSSPSGSE
QLVRRESCGSSVLTDFEGKDVATKVGEAWQDRPGAPRGGQGDPAVPTQQPADPSTPEQQNSPSGSEQFVR
RESCTSRVRSPSSCMVTVTVTATSEQPHIYIPAPASELDSSSTTKGILFVKEYVNASEVSSGKPVSARYS
NVSSIEDSFAMEKKPPCGSTPYSERTTGGICTYCNREIRDCPKITLEHLGICCHEYCFKCGICSKPMGDL
LDQIFIHRDTIHCGKCYEKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001178106

ORF Size: 2163 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_001178106.1, NP_001171577.1

RefSeq ORF: 2166 bp

Locus ID: 7739

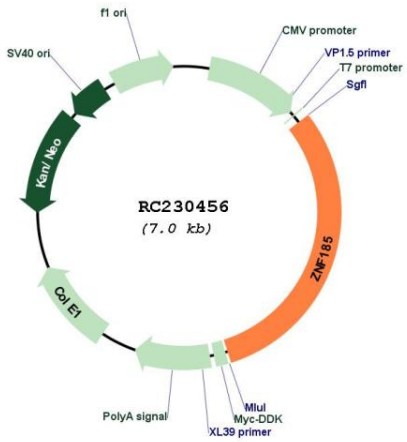
UniProt ID: O15231

Cytogenetics: Xq28

MW: 77.3 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 RC230456