

Product datasheet for RC237353

HEXIM2 (NM_001303436) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEXIM2 (NM_001303436) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HEXIM2
Synonyms:	L3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237353 representing NM_001303436 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTTTGGTGAAGCGAGGTGCTACTAGTCCAGGCGTCTGCTGAAAGATTTGGAACAGAAGATGA
TGGCCACTCCGAACCAGACCGCCTGTAATGCAGAGTCACCAGTGGCCCTGGAGGAGGCCAAGACCTCTGG
TGCCCCGGGGAGCCCCAAACACCCCTGAGCGTCATGACTCTGGTGGTTCCTGCCCTGACACCGCGG
ATGGAGAGCCACTCAGAGGATGAAGATCTTGCTGGGGCTGTGGTGGCCCTGGGCTGGAACAGTAGGAGTC
CCCGGACCCAGAGCCAGGGGGCTGCTCAGCGGAGGCTGTGCTGGCCGGAAGAAACACCGTCGGCGGCC
ATCGAAGCGAAAAGGCACTGGCGACCCTACCTGGAGCTGAGCTGGGCTGAGAAACAACAGCGGGATGAG
AGGAGAGCCAGAGGGCCTCCCGGGTCCGCGAAGAGATGTTCCGCAAAGGCCAGCCCGTGGCCCCCTACA
ACACCACCCAGTTCCTGATGAATGACAGGGACCCGAGGAGCCAACTTGGATGTGCCCCATGGGATCTC
CCACCCAGGTTCCAGTGGGAGAGTGAGGCCGGGACAGTGATGGGCGGGCCGAGCGCACGGTGAATTC
CAGCGGAAGGACTTCTCTGAGACTTACGAACGCTTCCACACCGAGAGCCTGCAGGGCCGAGCAAGCAGG
AGCTGGTGGGAGACTACCTGGAGCTGGAGAAGCGGCTGTCGAGGCGGAGGAGACTAGGAGGCTGCA
GCAGCTGCAGGCGTGACCGGCCAGCAGTCTGCCGCCAGGTGGAGGAGCTGGCTGCCGAGGTCCAGAGG
CTCCGGACCGAAAACCAGCGCTTCGTCAGGAGAACAGATGTGGAACCGAGAGGGCTGCCGCTGTGATG
AGGAGCCGGTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237353 representing NM_001303436
 Red=Cloning site Green=Tags(s)

MALWCKRGVTSRRLLKDLEQKMMATPNQTACNAESPVALEEAKTSGAPGSPQTPPERHDSGGSLPLTPR
 MESHSEDEDLAVGGLGWNSRSPRTQSPGGCSAEAVLARKKHRRRPSKRKRHWRPYLELSWAEQQRDE
 RQSQRASRVREEMFAKGQPVAPYNTTQFLMNDRDPEEPNLDVPHGISHPGSSGESEAGDSGDRGRAHGEF
 QRKDFSETYERFHTESLQGRSKQELVRDYLELEKRLSQAEETRRLQQLQACTGQQSCRQVEELAAEVQR
 LRTENQRLRQENQMWNREGRCRCDEEPT

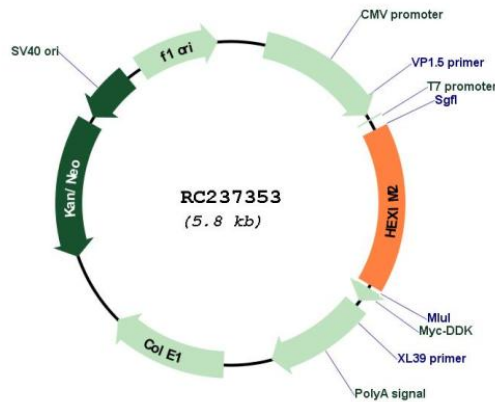
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001303436

ORF Size: 924 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:	NM_001303436.1 , NP_001290365.1
RefSeq Size:	1923 bp
RefSeq ORF:	927 bp
Locus ID:	124790
UniProt ID:	Q96MH2
Cytogenetics:	17q21.31
Protein Families:	Transcription Factors
MW:	35.5 kDa
Gene Summary:	This gene encodes a member of the HEXIM family of proteins. This protein is a component of the 7SK small nuclear ribonucleoprotein. This protein has been found to negatively regulate the kinase activity of the cyclin-dependent kinase P-TEFb, which phosphorylates multiple target proteins to promote transcriptional elongation. This gene is located approximately 7 kb downstream from related family member HEXIM1 on chromosome 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]