

Product datasheet for MR217738

Hexim2 (NM_001130516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hexim2 (NM_001130516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hexim2
Synonyms:	4933402L21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217738 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACTGTGAACCATACCAACTGCAACACAGCGTCACCAGCTGCTCTGGAGGAGGCCAAGACTCCG
GTGGTCTTCGGAGCCCCAGATAGCCCATGAGCCTCATGACTTCGGTGGTCCCAGCTTCTGCCATCAGG
ACAGGAGATCCAATCAGAGGATGAAGGGACTGTCCCCGCTGGCGATGGCTCAAGTTGTAACTTAGGGT
TCTCGAACCCAGAGCCCAGGGGGCTGTTTCGGTGGAGGCGGTGCTGGCCCGAAAGAAGCACCGTAGCGGC
CATCGAAGCGCAAGCGGCACTGGCGGCCCTACTGGAGCTGAGCTGGGCCGAGAAGCAACAGCGAGATGA
GAGGCAGAGCCAGAGGGCCTCTCGGGTCCGTGAGGAGATGTTCCGCAAAGGTGAGCCCTGGCGCCCTAC
AACACCACCCAGTTCTCATGAATGATCGTGACCTGGAGGAGCCTAACCTCGATGTGCTTACGGGCCCT
CCCACTCTGGCTCCGGTGGGGAGAACGAAGCAGGGGACAGTGTGGGCAAGGCCGAGCCCATGGGAATT
TCAGCAGAGGGACTTCTCTGAGGCCTATGAGCGGTACCACACTGAGAGCCTTCAGGGCCGACGAAGCAG
GAGCTGGTGCAGACTACCTGGATCTAGAGAGGCGTGTGTACAGGCTGAGCAGGAACTCGGAGGCTCC
GGCAGCTGCAGGGTTGCTCCAGCAGGCAACCCTGTCAACAGGTGGAAGAGCTGGCTGTGAGGTGGAGAG
GCTCAGAACTGAAAACCAGCGGCTGCGTCAGGAGAACGAGATGTGGAACCGAGAGGGCGGCTACTGTGAC
CAGGAGAAACCAGCCTCAGAAGGGACCCCTTGGCCCAAGGTTGAAGCCCCATTTAGACCCACACAGGCC
AGCTGGGTCATAGGGAGGCAGGTGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217738 protein sequence
Red=Cloning site Green=Tags(s)

```
MATVNHTNCNTASPAALEEAKTSGGLRSPQIAHEPHDFGGSQLLPSGQEIQSEDEGTVPAGDGSSCNIRG
SRTQSPGGCSVEAVLARKKHRRRPSKRKRHWRYLEL SWAEKQQRDERQSQRASRVREEMFAKGQPLAPY
NTTQFLMNDRLDLEPNLDV LHGPSHSGSGGENEAGDSDGQGRAHGEFQQRDFSEAYERYHTESLQGRSKQ
ELVRDYLDLERRLSQAEQETRRRLRQLQGCSSRQPCQQVEELAAEVERLRTENQRLRQENEMWNREGGYCD
QEKPASEGTPWPKVEAPFQTHTGQLGHREAGDR
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001130516

ORF Size: 939 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_001130516.1](#), [NP_001123988.1](#)

RefSeq Size: 1916 bp

RefSeq ORF: 942 bp

Locus ID: 71059

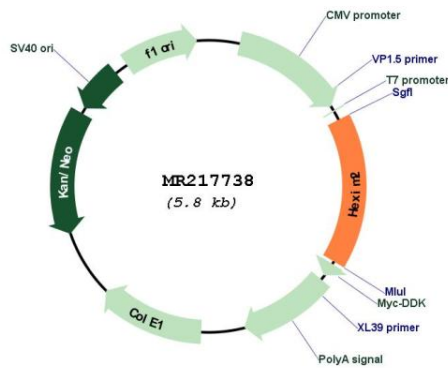
UniProt ID: [Q3TVI4](#)

Cytogenetics: 11 E1

MW: 35.4 kDa

Gene Summary: Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217738