

Product datasheet for **SC335087**

HEXIM2 (NM_001303437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEXIM2 (NM_001303437) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEXIM2
Synonyms:	L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303437, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCCACTCCGAACCAGACCCGCTGTAATGCAGAGTCACCAGTGGCCCTGGAGGAGGCCAAGACCT
CTGGTGCCCGGGGAGCCCCAAACACCCCTGAGCGTCATGACTCTGGTGGTTCCTGCCCTGACACC
GCGGATGGAGAGCCACTCAGAGGATGAAGATCTTGCTGGGGCTGTCGGTGGCCTGGGCTGGAACAGTAGG
AGTCCCCGGACCCAGAGCCAGGGGGTCTCAGCGGAGGCTGTGCTGGCCCGAAGAAACACCGTCGGC
GGCCATCGAAGCGAAAAGGCACTGGCGACCCTACCTGGAGCTGAGCTGGGCTGAGAAACAACAGCGGGA
TGAGAGGCAGAGCCAGAGGGCTCCCGGTCCGCGAAGAGATGTTCCGCAAAGGCCAGCCCGTGGCCCC
TACAACACCACCCAGTTCCTGATGAATGACAGGGACCCGGAGGAGCCCACTTGGATGTGCCCCATGGGA
TCTCCCACCCAGTTCAGTGGGAGAGTGAGGCCGGGGACAGTGATGGCGGGGCCGAGCGCACGGTGA
GTTCCAGCGGAAGGACTTCTCTGAGACTTACGAACGCTTCCACACCGAGAGCCTGCAGGGCCGAGCAAG
CAGGAGCTGGTGCAGACTACCTGGAGCTGGAGAAGCGGCTGTGCGAGGCGGAGGAGGAGACTAGGAGGC
TGCAGCAGCTGCAGGCGTGCACCGGCCAGCAGTCTGCCCCAGGTGGAGGAGCTGGCTGCCGAGGTCCA
GAGGCTCCGACCGAAAACCGCGGCTTCGTGAGGAGAACCAGATGTGGAACCGAGAGGGCTGCCGCTGT
GATGAGGAGCCGGGTACCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001303437
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_001303437.1, NP_001290366.1</u>
RefSeq Size:	2376 bp
RefSeq ORF:	861 bp
Locus ID:	124790
UniProt ID:	<u>Q96MH2</u>
Cytogenetics:	17q21.31
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-9 encode the same isoform (1).</p>