

## Product datasheet for **SC324352**

### HEXIM2 (NM\_144608) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HEXIM2 (NM\_144608) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HEXIM2  
**Synonyms:** L3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_144608.1  
 GAATAAGGGTGTCACTAGTTCAGGCGTCTGCTGAAAGATTTGGAACAGAAGATGATGGC  
 CACTCCGAACCAGACCGCTGTAATGCAGAGTCACCAGTGGCCCTGGAGGAGGCCAAGAC  
 CTCTGGTGCCCGGGGAGCCCCAACACCCCCTGAGCGTCATGACTCTGGTGGTTCCCT  
 GCCCTGACACCGCGGATGGAGAGCCACTCAGAGGATGAAGATCTTGCTGGGGCTGTCGG  
 TGGCTGGGCTGGAACAGTAGGAGTCCCGGACCCAGAGCCCAGGGGGCTGCTCAGCGGA  
 GGCTGTGCTGGCCGGAAGAAACACCGTCGGCGGCCATCGAAGCGCAAAAGGCACTGGCG  
 ACCCTACCTGGAGCTGAGCTGGGCTGAGAAACAACAGCGGGATGAGAGGCAGAGCCAGAG  
 GGCTCCCGGGTCCGGAAGAGATGTTCCGCAAGGCCAGCCCTGGCCCCCTACAACAC  
 CACCCAGTTCCTGATGAATGACAGGGACCCGGAGGAGCCCAACTGGATGTGCCCATGG  
 GATCTCCACCCAGGTTCCAGTGGGAGAGTGAGGCCGGGACAGTGATGGCGGGGCCG  
 AGCGCACGGTGAGTTCAGCGGAAGGACTTCTCTGAGACTTACGAACGCTTCCACACCGA  
 GAGCCTGCAGGGCCGAGCAAGCAGGAGCTGGTGCAGACTACCTGGAGCTGGAGAAGCG  
 GCTGTGCGAGGGCGGAGGAGGAGACTAGGAGGCTGCAGCAGCTGCAGGCGTGCACCGGCCA  
 GCAGTCTGCCCGCAGGTGGAGGAGCTGGCTGCCGAGGTCCAGAGGCTCCGGACCGAAAA  
 CCAGCGGCTTCGTCAGGAGAACCAGATGTGGAACCGAGAGGGCTGCCGCTGTGATGAGGA  
 GCCGGTACCTAGGGTGCCTCCAGCCTGGTGGACCCAAGGAGAAGTCCCATTTCGTG  
 CACTCAGGCCAGCTGGTCTCAAGGAGCAGGTGGCAGATGAAAACACCGTCAACAC  
 CCTGTGCGCCCTGAGAACAGCTAAATCGGTTCACTCCACCTCACCCTTCCATAGTT  
 GGCTCTTTTGTGTCATTTACCCTTTACAGAGAAATTAATGGCCTTGGTGGGACCAAAA  
 AA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_144608



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_144608.1</a> , <a href="#">NP_653209.1</a>
<b>RefSeq Size:</b>	1330 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	124790
<b>UniProt ID:</b>	<a href="#">Q96MH2</a>
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR compared to variant 1. Variants 1-9 encode the same isoform (1).</p>