

Product datasheet for **SC120749**

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
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144608, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCCACTCCGAACCAGACCGCCTGTAATGCAGAGTCACCAGTGGCCCTGGAGGAGGCCAAGACCT
CTGGTGCCCGGGGAGCCCCAACACCCCTGAGCGTCATGACTCTGGTGGTTCCTGCCCTGACACC
GCGGATGGAGAGCCACTCAGAGGATGAAGATCTTGCTGGGGCTGTCGGTGGCCTGGGCTGGAACAGTAGG
AGTCCCCGGACCCAGAGCCAGGGGGCTGCTCAGCGGAGGCTGTGCTGGCCGGAAGAAACACCGTCGGC
GGCCATCGAAGCGCAAAGGCACTGGCGACCCTACCTGGAGCTGAGCTGGGCTGAGAAACAACAGCGGGA
TGAGAGGCAGAGCCAGAGGGCCTCCCGGTCCCGGAAGAGATGTTGCGCAAAGGCCAGCCCGTGGCCCC
TACAACACCACCCAGTTCCTGATGAATGACAGGGACCCGAGGAGCCCAACTTGGATGTGCCCCATGGGA
TCTCCCACCCAGTTCAGTGGGGAGAGTGAGGCCGGGGACAGTGATGGGCGGGCCGAGCGCACGGTGA
GTTCCAGCGGAAGGACTTCTCTGAGACTTACGAACGCTTCCACACCGAGAGCCTGCAGGGCCGAGCAAG
CAGGAGCTGGTGCAGACTACCTGGAGCTGGAGAAGCGGCTGTCGAGGCGGAGGAGGAGACTAGGAGGC
TGCAGCAGCTGCAGGCGTGACCCGGCCAGCAGTCCTGCCGCCAGGTGGAGGAGCTGGCTGCCGAGGTCCA
GAGGCTCCGACCGAAAACCGCGCTTCGTGAGGAGAACCAGATGTGGAACCGAGAGGGCTGCCGCTGT
GATGAGGAGCCGGGTACCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144608 unedited GGAATTTGTAATACGACTCACTATAGGGCGGCCGCAAATTCGCACGAGGCGACATGCTA GGTGAGTTGTCCGGAGATCGGGGCTGAATGGGAGAGATCTTGAGGGCAAGAGCCTCAGA GACCTTCAGGCACCGAGCTCGTGAAGGTTTCCAAGTGCCCTCTCTAGCTGCTCCAGGG GGAATTAGTGGTTGCTACAGTAGTTTAAGAGGGTCGTGGTTTTTCGCAACCCGGGCGCG AGATGGCGCTTTGGTGAAGCGAGGAGGACAGTACAGGACATGATCCTGGTGAGGGACC CGAGGAGCAGGACAGAGAAGACGGCCCTGAATCCCATTGGCCCTTGCTGGCTGGAGG TGTGAAAACCGAGCGGTGGAGGCAGCCTTCGGGGCCTGCATTTGAGAATAAGGGTGTCACT AGTTCAGGCGTCTGCTGAAAGATTTGGAACAGAAGATGATGGCCACTCCGAACCAGACC GCCTGTAATGCAGAGTCACCAAGTGGCCCTGGAGGAGGCCAAGACCTCTGGTGCCCGGGG AGCCCCAAACACCCCTGAGCGTCATGACTCTGGTGGTTCCTGCCCTGACACCGCGG ATGGAGAGCCACTCAGAGGATGAAGATCTTGTGGGGCTGTCGGTGGCCTGNGCTGGAAC AGTANGAGTCCCCGACCAGAGCCAGGGGGCTGCTCAGNCGGAGCTGTGCTGGCCCG GAAAGAACACCGTCGGCGGCCATCGAAGCGCAAAGGCACTGGCGACCCTACCTGGAGCTG AGCTGGGCTGAGAAACACAGCGGATGAGAAGCANAGCCAGAGGCTNCCGGNTCCGCG AAGAGATGNTCGNCAAAGCCAGNCCGTGGNCCNCTACACACCACCANTCCTGATAATGA CAGGNACCCNGAGGCCACTNGATGTGCCATGGGACTCCACCAGNNTCATGNGNAATGA GCCNGGAANTGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_144608
Insert Size:	1650 bp
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).
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_144608.1 , NP_653209.1
RefSeq Size:	1330 bp
RefSeq ORF:	861 bp
Locus ID:	124790
UniProt ID:	Q96MH2
Cytogenetics:	17q21.31
Protein Families:	Transcription Factors

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-9 encode the same isoform (1).