

## Product datasheet for **RR205491**

### Hexim1 (NM\_001025136) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hexim1 (NM\_001025136) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hexim1  
**Synonyms:** Clp-1; Clp1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR205491 representing NM\_001025136  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGAGCCACTCTTGTGAGAACATCAACACCAGCCTCAAAGTACCACTGTACAGGTGCTGCTGTTG  
 TCCATGAGGAGCAGAAGCTCTGAGCGCCCCCAAGCGCGGAGGAACGGGTGCCTAAGGAGGACAGTAGGTG  
 GCAATCGAGAGCGTCCTTGCAGTCGGGTAGCCGTCCAGGGCAGGAGGGAGACGGGGCCCTGAAGCACCAG  
 CTGCCCCATTGCAGACGAATGCCTGTCCAGAATTGAGCTGCTTGGAAAAGGGCGAGAAGGGCCAGAATG  
 GGGAGGACTTATCCACTGGCGGTGCCTCGCCTTCGGCGGAGGGGGAGCCGATGTCAGAGTCCCTCGTGCA  
 ACCAGGTCATGACTCGGAGGCTACTAAGCTGGAGGCTCCTGTGCTGGAGTAGAGGAGCCATGGGGACAG  
 CAACAGAGACAGCTGGGCAAGAAAAACACCGGAGACGCCCTCAAGAAGAAGCGACATTGGAAGCCCT  
 ATTACAAGCTGACTTGGGAGGAGAAGAAAAAGTTCGACGAGAAGCAAAGCCTGCGAGCTTCGCGAGTTTCG  
 AGCCGAGATGTTGCGCAAGGGCCAGCCGGTTCGCCCTATAACACCACGCAGTTCCTCATGGATGACCAT  
 GATCAGGAGGAGCCTGATCTCAAACCGCCTTACCCTAAGCGGCAGCCGCAATCCGACGACACCA  
 GCGATGAGGATTTGCGTGAAGAAGCTGGTGAAGAAGCGGAGGCAGCGATGGCATGGGAGGGACGGCAG  
 CGAGTTTCTGCAGCGGGACTTTTCCGAGACTTACGAGCGGTACCACGCGGAGAGCCTGCAGAACATGAGC  
 AAGCAGGAGCTCATCAAAGAGTACCTGGAGCTGGAGAAGTGCCTCTCCCGCAAGGAGGACGAAAATAACC  
 GGCTGCGGTTGGAAAGCAAGCGTTGGGTGGCGTCGATGCGCGAGTGCGGGAGCTGGAGCTAGAGCTGGA  
 CCGACTGCGCGCCGAGAACCAGCTGCTGACCGAAAACGAACTGCACCGGCAGCAGGAGCGAGCGCCT  
 CCTTCCAAGTTCGGCGAC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR205491 representing NM\_001025136  
 Red=Cloning site Green=Tags(s)

MAEPLLSEHQHPQTSNCTGAAVVHEEQNSERPPSAEERVPKEDSRWQSRASLQSGSRPGQEGDGGGLKHQ  
 LPPLQTNACPELSCLEKGEKQNGEDLSTGGASPSAEGEPMSL VQPGHDEATKLEAPVAGVEEPWGO  
 QQRQLGKKKHRRRPSKKKRHWKPYKLTWEEKKFFDEKQSLRASRVRAEMFAKGQPVAPYNTTQFLMDDH  
 DQEEPDLKTGLYPKRAAAKSDDTDEDFVEEAGEEDGGSDGMGGDSEFLQRDFSETYERYHAESLQNM  
 SQELIKEYLELEKCLSRKEDENNRLRLESKRLGGVDARVRELELELDRLRAENRQLLTENELHRQERAP  
 PSKFGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

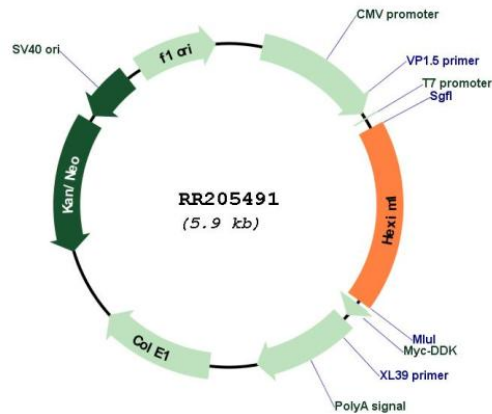
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001025136

<b>ORF Size:</b>	1068 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001025136.1</a> , <a href="#">NP_001020307.1</a>
<b>RefSeq Size:</b>	2143 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	498008
<b>UniProt ID:</b>	<a href="#">Q5M9G1</a>
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	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. May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway.[UniProtKB/Swiss-Prot Function]