

Product datasheet for RN205491

Hexim1 (NM_001025136) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hexim1 (NM_001025136) Rat Untagged Clone
Tag: Tag Free
Symbol: Hexim1
Synonyms: Clp-1; Clp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205491 representing NM_001025136
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGAGCCACTCTTGTGAGAACATCAACACCAGCCTCAAAGTACCACTGTACAGGTGCTGCTGTTG
 TCCATGAGGAGCAGAAGCTCTGAGCGCCCCAAGCGCGGAGGAACGGGTGCCTAAGGAGGACAGTAGGTG
 GCAATCGAGAGCGTCCTTGCAGTCGGGTAGCCGTCCAGGGCAGGAGGGAGACGGGGCCCTGAAGCACCAG
 CTGCCCCATTGCAGACGAATGCCTGTCCAGAATTGAGCTGCTTGAAAAAGGGCGAGAAGGGCCAGAATG
 GGGAGGACTTATCCACTGGCGGTGCCTCGCCTTCGGCGGAGGGGGAGCCGATGTCAGAGTCCCTCGTGCA
 ACCAGGTCATGACTCGGAGGCTACTAAGCTGGAGGCTCCTGTGCTGGAGTAGAGGAGCCATGGGGACAG
 CAACAGAGACAGCTGGGCAAGAAAAACACCGGAGACGCCCTCAAGAAGAAGCGACATTGGAAGCCCT
 ATTACAAGCTGACTTGGGAGGAGAAGAAAAAGTTCGACGAGAAGCAAAGCCTGCGAGCTTCGCGAGTTTCG
 AGCCGAGATGTTGCGCAAGGGCCAGCCGGTTCGCCCTATAACACCACGCAGTTCCTCATGGATGACCAT
 GATCAGGAGGAGCCTGATCTCAAACCGGCCTTACCCTAAGCGGCAGCCGCAAAATCCGACGACACCA
 GCGATGAGGATTTGTTGGAAGAAGCTGGTGGGAAGACGGAGGCAGCGATGGCATGGGAGGGACGGCAG
 CGAGTTTCTGCAGCGGGACTTTTCCGAGACTTACGAGCGGTACCACGCCGAGAGCCTGCAGAACATGAGC
 AAGCAGGAGCTCATCAAAGAGTACCTGGAGCTGGAGAAGTGCCTCTCCCGCAAGGAGGACGAAAAAACC
 GGCTGCGGTTGGAAAGCAAGCGTTGGGTGGCGTCGATGCGCGAGTGCGGGAGCTGGAGCTAGAGCTGGA
 CCGACTGCGCGCCGAGAACCAGCTGCTGACCGAAAACGAAGTGCACCGGCAGCAGGAGCGAGCGCCT
 CCTTCCAAGTTCGGCGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025136



Insert Size:	1071 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:	<u>NM_001025136.1</u> , <u>NP_001020307.1</u>
RefSeq Size:	2143 bp
RefSeq ORF:	1071 bp
Locus ID:	498008
UniProt ID:	<u>Q5M9G1</u>
Cytogenetics:	10q32.1
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. 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]