

Product datasheet for **RN208820**

Hif3a (NM_022528) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hif3a (NM_022528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hif3a
Synonyms:	lpa5; Mop7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208820 representing NM_022528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTGGGACCAAGACAGGTCGAGCACCAGCTGCGGAAGGAGAAGTCGCGGGATGCGGCCCGCAGCA
 GGCGCAGCCAGGAGACGGAGGTGCTGTACCAACTGGCGCACACCCCTGCCCTTTCGCGCGGGCTCAGCGC
 GCACCTGGACAAGGCCTCCATCATGCGCCTCACAATCAGCTACTTGCGCATGCACCCGCTCTGCGTGCA
 GGGGAGTGAACAGGTGAGAAAAGAGGGAGAACCCTGGACGCCTGCTACCTGAAGGCCCTGGAGGGTT
 TCGTCATGGTGCTCACCCTGAGGGAGACATGGCTTACCTGTCGAAAAATGTCAGCAAGCACCTGGGCT
 CAGTCAGTGGAGCTCATTGGACACAGTATCTTTGATTTATCCATCCCTGTGACCAAGAGGAACCCAG
 GATGCCCTGACCCGAGACCAAGCCTGTCAAAGAAGAAGTCAGAAGCAGCAACAGGACGCCACTTTTCCC
 TCGAATGAAGAGCACACTCACCAGCAGGGGGCGCGCTGAACCTCAAAGCGGCCACTGGAAGGTGCT
 GCACTGCTCAGGACATATGAGGGCTACAAGCCCCTGCACAGACTTCCCCGCGGGAGCCCTCGTCC
 GAGCCTCCCTGCAATGCCTGGTCTTATCTGTGAAGCCATCCCCACCCAGCCAGTCTGGAGCCCCAC
 TGGGCCGAGGGGCTTTCTCAGTCGCCACAGCCTGGACATGAAGTTCACATACTGCGACGAGAGGATTGC
 AGAAGTTGCTGGCTACAGCCCCGATGACCTGATTGGCTGTTCTGCCTATGAATACATCCACGCTTTGGAC
 TCTGATGCAGTCAGCAGGAGCATCCACACTTGTCTGAGCAAGGGCCAGGCAGTAACAGGGCAGTATCGCT
 TCCTGGCCCGACTGGAGGCTATCTGTGGACTCAGACTCAGGCTACAGTGGTGTGAGGGGGCGGGGCC
 CCAGTCGGAAGTATCATCTGCTCCACTTCTGATCAGCCGTGTAGAAGAGAACGGAGTGGTGTGTCC
 CTGGAACAAACGGAGCAACATACTCGCAGACCCCTCAGCTGGTACCTCCTCGAAGAAGGGTATCCCAG
 GCAACAGTCTAGACCTCCCGCTCCAGGATCCTGGCCTTCTGCACCCCTCCAGCCCTGAGTGGGCTC
 CCTGGCTGCTGACCTCGCCGTTTTGTAGCCAGACTGCGCCGCTCATGGCACCCATCCTGGATGGA
 CCTCCACAGCCCTACCCACAGCCGCAAGCTGCCAGGAGACCCAAAGTCTCTTCCGGCTGATC
 TCCAGATCAGTTGGCTGTGGGCTTGGAGAATGCACACAGACTCTCCACTGCCCGAAAAACAAGACCAT
 GGAGACAGATCTAGATATAGCTCAGGACCTGACACTCCGGACTTGGAGATGTTGGCTCCGTACATCTCC
 ATGGATGATGACTTCCAGCTCACTCCAGCGAGCAATTGCCAAAGTCCACCGCAGACCTCCAGGACGG
 CCCGAGCCCTCGTGCTCGGAGCTTCCATGGCCTGTGCTCCCATCCCTGAGGCCACCTGCTGCCCG
 CTGGGGGAGTGATCCACGACTGAACTGTCCAGCCCTCAAGGGGGATCCCCCACAGCCCCCTGACG
 CCTAGAAGTTCGGAAGAGGGCCTTGGCCAGAGCTCAGAGGACAAAGGGTTGGAGTGTGGAACGAAGC
 CCCCCAAGCGGTCCCAAGACTAGAACCTGGAAGTGTCTGCTGCTCCGCTCAGCTGAGTTTCTTCT
 GCAAGGTCGACAACCTCCAGGAACAGCCGGATCCCAGAGCCCCACTCGTGGATTTCGATGAGCCCTTG
 GGCTAGCTCCCTCGTCTCTCTCTACCAGCATGAGGAACTATCCAGTCCAGGAACCACTTCTCTCC
 CAGCAGCAGGCTTGGCCAGACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022528
- Insert Size:** 1989 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:

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_022528.2](#), [NP_071973.1](#)

RefSeq Size: 2076 bp

RefSeq ORF: 1989 bp

Locus ID: 64345

UniProt ID: [Q9JHS2](#)

Cytogenetics: 1q21

Gene Summary: binds HIF-responsive elements and activates transcription in vitro [RGD, Feb 2006]