

## Product datasheet for **RN212249**

### Has3 (NM\_172319) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Has3 (NM_172319) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Has3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN212249 representing NM\_172319  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGGTGCAGCTGACTACAGCCCTTCGTGTGGTGGCACCAGTCTGTTTGCCTGGTAGTGCTGGGG  
 GCATCCTGGCAGCCTATGTCACAGGCTACCAGTTTATCCACACGAAAAGCACTATCTGTCTTCGGCCT  
 CTACGGTGCCATCCTGGGTCTGCATCTGCTCATCCAGAGCCTGTTTGCCTTCCTGGAGCACCGTCGCATG  
 CGCAGGGCAGGGCGCCCACTGAAGCTGCACTGCTCTCAGAGACGGCGTTCCGGTGGCACTCTGCATCGCTG  
 CCTACCAAGAGGACCCTGAGTACTTGCACAAGTGCCTTCGCTCAGCTCAGCGCATTGCCCTCCAAACCT  
 CAAGGTGGTCATGGTAGTGGATGGCAATCGCCAGGAAGATGCCTACATGCTGGACATCTCCATGAGGTC  
 CTGGGTGGCACTGAGCAAGCTGGCTTCTTGTGTGGCGTAGCAATTTCCATGAGGCGGGTGAAGGAGAGA  
 CAGAGGCCAGCTTGCAGGAAGGCATGGAGCGTGTTCGAGCTGTGGTGTGGCCAGCACCTTCTCATGCAT  
 CATGCAGAAGTGGGGGGCAAGCGTGAAGTCATGTACACAGCTTCAAGGCCCTTGGCAACTCAGTGGAC  
 TACATCCAGGTGTGTGACTCTGACACTGTGCTGGACCCAGCCTGCACCATTGAGATGCTTCGGGTCTTGG  
 AGGAAGATCCCAAGTAGGAGGTGTTGGAGGAGATGTCCAAATCCTCAACAAATACGATTCATGGATCTC  
 CTTCTGAGCAGCGTGAGTACTGGATGGCCTTCAACGTGGAGCGGGCCTGCCAGTCTACTTTGGCTGT  
 GTGCAGTGTATTAGTGGCCTCTGGGCATGTACCGCAACAGCCTCCTTACAGCAGTTCCCTGGAGGACTGGT  
 ACCATCAGAAGTCTTAGGCAGCAAGTGCAGCTTTGGGGATGATCGGCACCTTACCAACCGAGTCTGAG  
 TCTTGGCTACCGACTAAGTATACAGCACGCTCCAAGTGCCTCACAGAGACCCCACTAAGTATCTCCGA  
 TGGCTCAACCAGCAGACCCGCTGGAGCAAGTCTTACTTTGGGAGTGGCTCTACAACCTCTGTGGTTCC  
 ATAAGCACCACTGTGGATGACCTATGAGTCAGTGGTACAGGCTTCTTCCCTTCTTCCATCGCCAC  
 AGTCATACAACCTTTCTACCGTGGCCGCATCTGGAACATTCTCCTTCTCTACTAACGGTGCAGCTGGTG  
 GGCATTATCAAGGCTACCTATGCCTGCTTCTCCGAGGCAATGCAGAGATGATCTTCATGCTCCCTACT  
 CCCTTCTCTATATGTCCAGCCTGCTGCCAGCAAGATCTTTGCTATTGCTACCATCAACAAGTCTGGCTG  
 GGGCACTTCTGGCAGGAAAACCTTGTAGTGAACCTTATTGGCCTAATCCCTGTGTCCATCTGGGTGGCA  
 GTTCTTCTAGGGGGTTAGCCTACACAGCTTATTGTCAGGACCTGTTGAGTACTGAGCTAGCCTTCC  
 TGGTCTCTGGGCCATCTTGTATGGCTGCTACTGGGTGGCCCTCCTCATGCTGTATTGGCCATTATTGC  
 CCGGAGGTGTGGAAAAAGCCAGAACAGTATAGCCTGGCTTTTGTGAGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172319  
**Insert Size:** 1665 bp  
**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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>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>	<u><a href="#">NM_172319.1</a></u> , <u><a href="#">NP_758822.1</a></u>
<b>RefSeq Size:</b>	2465 bp
<b>RefSeq ORF:</b>	1665 bp
<b>Locus ID:</b>	266805
<b>Cytogenetics:</b>	19q12
<b>Gene Summary:</b>	involved in the synthesis of hyaluronan, a major extracellular matrix molecule [RGD, Feb 2006]