

Product datasheet for **RR212249**

Has3 (NM_172319) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR212249 representing NM_172319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTGCAGCTGACTACAGCCCTTCGTGTGGTGGCACCAGTCTGTTTGCCTGGTAGTGCTGGGG
 GCATCCTGGCAGCCTATGTCACAGGCTACCAGTTTATCCACACGAAAAGCACTATCTGTCTTCGGCCT
 CTACGGTGCCATCCTGGGTCTGCATCTGCTCATCCAGAGCCTGTTTGCCTTCCTGGAGCACCGTCGCATG
 CGCAGGGCAGGGCGCCCACTGAAGCTGCACTGCTCTCAGAGACGGCGTTCGGTGGCACTCTGCATCGCTG
 CCTACCAAGAGGACCTGAGTACTTGCGCAAGTGCCTTCGCTCAGCTCAGCGCATTGCCTTCCAAACCT
 CAAGGTGGTCATGGTAGTGGATGGCAATCGCCAGGAAGATGCCTACATGCTGGACATCTCCATGAGGTC
 CTGGGTGGCACTGAGCAAGCTGGCTTCTTTGTGTGGCGTAGCAATTTCCATGAGGCGGGTGAAGGAGAGA
 CAGAGGCCAGCTTGCAAGGAGCATGGAGCGTGTTCGAGCTGTGGTGTGGCCAGCACCTTCTCATGCAT
 CATGCAGAAGTGGGGGGCAAGCGTGAAGTCATGTACACAGCTTCAAGGCCCTTGCAACTCAGTGGAC
 TACATCCAGGTGTGTGACTCTGACACTGTGCTGGACCCAGCCTGCACCATTGAGATGCTTCGGGTCTTGG
 AGGAAGATCCCAAGTAGGAGGTGTTGGAGGAGATGTCCAAATCCTCAACAAATACGATTCATGGATCTC
 CTTCTGAGCAGCGTGAGTACTGGATGGCCTTCAACGTGGAGCGGGCCTGCCAGTCTACTTTGGCTGT
 GTGCAGTGTATTAGTGGGCTCTGGGCATGTACCGCAACAGCCTCCTTCAGCAGTTCCTGGAGGACTGGT
 ACCATCAGAAGTCTTAGGCAGCAAGTGCAGCTTTGGGGATGATCGGCACCTTACCAACCGAGTCTGAG
 TCTTGGCTACCGACTAAGTATACAGCACGCTCCAAGTGCCTCACAGAGACCCCACTAAGTATCTCCGA
 TGGCTCAACCAGCAGACCCGCTGGAGCAAGTCTTACTTTGGGAGTGGCTCTACAACCTCTGTGGTTCC
 ATAGCACCCCTGTGGATGACCTATGAGTCAGTGGTACAGGCTTCTTCCCCTTCTTCCATCGCCAC
 AGTCATACAACCTTTTCTACCGTGGCCGCATCTGGAACATTCTCCTTCTCCTACTAACGGTGCAGCTGGT
 GGCAATATCAAGGCTACCTATGCCTGCTTCTCCGAGGCAATGCAGAGATGATCTTCATGCTCCCTACT
 CCCTTCTCTATATGTCCAGCCTGCTGCCAGCAAGATCTTTGCTATTGCTACCATCAACAAGTCTGGCTG
 GGGCACTTCTGGCAGGAAAACCTTGTAGTGAACCTTATTGGCCTAATCCCTGTGTCCATCTGGGTGGCA
 GTTCTTCTAGGGGGTTAGCCTACACAGCTTATTGTGAGGACCTGTTGAGTACTGAGCTAGCCTTCC
 TGGTCTCTGGGCCATCTTGTATGGCTGCTACTGGGTGGCCCTCCTCATGCTGTATTGGCCATTATTGC
 CCGGAGGTGTGGAAAAAGCCAGAACAGTATAGCCTGGCTTTTGTGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212249 representing NM_172319
 Red=Cloning site Green=Tags(s)

MPVQLTTALRVVGTSLFALVVLGGILAAVVTGYQFIHTEKHYLSFGLYGAILGLHLLIQSLFAFLEHRRM
 RRAGRPLKLHCSQRRRSVALCIAAYQEDPEYLRKCLRSAQRIAFPNLKVMVVDGNRQEDAYMLDIFHEV
 LGGTEQAGFFVWRSNFHEAGEGETEASLQEGMERYVRAVWASTFSCIMQKWGGKREVMYAFKALGNSVD
 YIQVCDSDTVLDPACTIEMLRVLEEDPQVGGVGGDVQILNKYDSWISFLSSVRYWMAFNVERACQSYFGC
 VQICISGPLGMYRNSLLQQFLEDWYHQFLGSKCSFGDDRHLTNRVLSLGYRKYTARSKCLTETPTKYLR
 WLNQQTRWSKSYFREWLYNLWFHKHLLWMTYESVVTGFFPFFLIATVIQLFYRGRINWILLFLLTVQLV
 GI IKATYACFLRGAEMIFMSLYSLLYMSSLLPAKIFAIAIATINKSGWGTSGRKTIVVNFIGLIPVSIWVA
 VLLGGLAYTAYCQDLFSETELAFLVSGAILYGCYWVALLMLYLAIARRCGKKPEQYSLAFAEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN:

NM_172319

ORF Size:

1662 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 or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

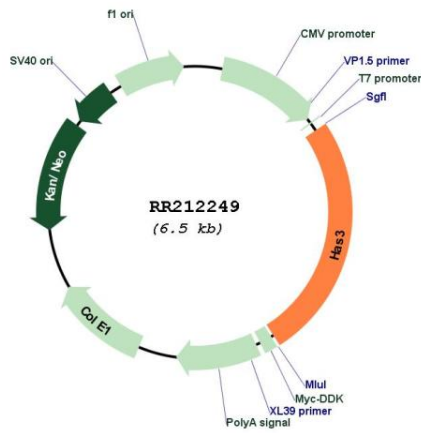
Components:

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:	<u>NM_172319.1, NP_758822.1</u>
RefSeq Size:	2465 bp
RefSeq ORF:	1665 bp
Locus ID:	266805
Cytogenetics:	19q12
MW:	63.3 kDa
Gene Summary:	involved in the synthesis of hyaluronan, a major extracellular matrix molecule [RGD, Feb 2006]

Product images:


Circular map for RR212249