

Product datasheet for **MC218946**

Has3 (NM_008217) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Has3 (NM_008217) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Has3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218946 representing NM_008217
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTGCAGCTGACTACAGCCCTGCGTGTGGTGGCACCAGTCTGTTTGCCTGGTAGTCTGGGAG
 GCATCCTGGCGGCTATGTGACAGGCTACCAGTTTATCCACACAGAAAAGCACTACCTGTCTTTGGCCT
 CTACGGTGCCATCCTGGGTCTACATCTGCTCATCCAGAGCCTGTTTGCCTTCTGGAGCACCGTGAATG
 CGCAGGGCAGGGCGCCCCCTCAAGCTGCACTGCTCCAGAGGCGCGTTTCAAGTGGCACTCTGCATTGCTG
 CCTACCAAGAGGACCCCAATACCTGCGCAAGTGCCTTCGCTCAGCTCAGCGCATTGCCTTTCCAAACCT
 CAAGGTGGTCATGGTAGTGGATGGCAATCGCCAGGAAGATACCTACATGTTGGACATCTCCATGAGGTG
 CTGGGTGGCACTGAGCAAGCTGGCTTCTTGTGTGGCGTAGCAATTTCCATGAGGCGGGTGAAGGAGAGA
 CAGAGGCCAGCCTGCAGGAAGGCATGGAGCGTGTGCGAGCTGTGGTGTGGGCCAGCACCTTCTCATGCAT
 CATGCAGAAGTGGGGGGCAAGCGTGAAGTGTACACTGCCTTCAAGGCCCTTGGCAACTCAGTGGAC
 TACATCCAGGTGTGTGACTCTGACACTGTGCTGGACCCAGCCTGCACCATTGAGATGCTTCGAGTCTTGG
 AAGAAGATCCCCAAGTAGGAGGTGTTGGAGGAGATGTCCAAATCCTCAACAAGTATGATTATGATGCTC
 CTTCTGAGCAGTGTGAGGTACTGGATGGCTTTCAACGTGGAGCGGGCCTGCCAGTCTACTTTGGCTGT
 GTGCAATGTATTAGTGGGCCTTTGGGCATGTACCGCAACAGCCTCCTTACAGCAGTTTCTGGAGGATTGGT
 ACCATCAGAAGTCTTAGGCAGCAAGTGCAGCTTTGGGGATGATCGGCACCTTACCAACCGAGTCTGAG
 TCTTGGCTACCGGACTAAGTATACAGCACGCTCTAAGTGCCTCACAGAGACCCCACTAGGTACCTTCGA
 TGGCTCAATCAGCAAACCCGCTGGAGCAAGTCTTACTTTTCGGGAATGGCTCTACAATTTCTGTGGTTCC
 ATAAGCACCACTCTGGATGACCTATGAATCAGTGGTACAGGTTTCTTCCATTCTTCCATTGCTAC
 AGTCATACAACCTTTTCTACCGTGGCCGCATCTGGAACATTCTCCTCTTCTGCTAACAGTGCAGTGGTG
 GGCAATATCAAGGCTACCTATGCCTGCTTCTTTCGAGGCAATGCAGAGATGATCTTCATGCTCCCTACT
 CCCTTCTCTATATGTCCAGCCTCTTCCAGCAAGATCTTTGCTATTGCTACCATCAACAAGTCTGGCTG
 GGGCACTTCTGGCAGGAAAACCTTGTGCGTGAACCTTATTGGCCTAATCCCCGTGCCATCTGGGTGGCA
 GTTCTTCTAGGGGGTTAGCCTACACAGCTTATTGCCAGGACCTGTTTCAAGTGCAGTGCAGTGCAGTGC
 TAGTCTCTGGGGCCATCCTGTATGGCTGCTACTGGGTGGCCCTCCTCATGCTGTATCTGGCCATTATTGC
 CCGGAGGTGTGGGAAGAAGCCAGAACAGTATAGCCTGGCTTTTGGGAGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008217
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 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](#)

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_008217.4](#), [NP_032243.2](#)

RefSeq Size: 5912 bp

RefSeq ORF: 1665 bp

Locus ID: 15118

UniProt ID: [O08650](#)

Cytogenetics: 8 53.28 cM

Gene Summary: Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most extracellular matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation. This is one of the isozymes catalyzing that reaction. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.