

Product datasheet for **MC220173**

Hgsnat (NM_029884) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hgsnat (NM_029884) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hgsnat
Synonyms:	9430010M12Rik; AW208455; D8Ertd354e; Tmem76
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220173 representing NM_029884
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCGGGTCGAGCTCGCGCAGGCGCCGGGCAGAAGAGCGCAGCTCGGCTGCGGGGACAGAGCGCA
 ACTCCCGGAGAGAGGCTGTGGGAGGCATGGGCGCGGGCCCGGCGCTGGCAGCGCTGCTGCTGGCCGGGTC
 GGTGCTGAGCGCCACGCTGCTGGCCCCGGCCGGCGGGAGCCAGATTTAGATGAAAAAGGAACGTG
 GAGCTGAAGATGGATCAGGCTTTGCTGCTATTACAATGAACCTTTGGGACGAGCCTGACTGTGTACT
 GGAAATCTGATGACTGTTACCAATGCACCTCCAGCCACTGGCGAACGTCTCTCACGGTGGAAAGCCAGC
 AAAGCCAAGCGTGGCACCTGTCTCTGTGAGCACCAGCATGGGTCCATCCTGCAGTTAACTCCACCTCG
 GAGGAGAGAGCAGCTTGCAGGCTGGAATACAAATTTGGAGAATTTGGAACTATTCCTTTTGGTGCAGC
 ATGCTTCCAGCGGGCCAATAAAATTCCTGTGACATCATCGTCAATGAGAATCCAGTGGACAGTAACT
 TCCTGTGAGCATCGATTCTTGTGGTTTAGCCCTCATCGTCGAGTATCCCTCCTGAGGCTCTTGCTG
 AGTTTGGATGATGCAATAACTGGATATCTAAGACAATAGCTTCTCGAGAACTGACCGTCTCATCAATT
 CTGAGCTAGGGTCTCCCAGCAGAGCAGACCCTCTCAGCGCTGATTACCAACCAGAAACTCGGCGTCTTC
 TGCGAACCGTCTCCGATGTGTGGACACATTTAGGGGTTAGTCTCGTCCCTCATGGTCTTTGTTAACTAT
 GGAGGAGGAAAGTATTGGTACTTCAAACATTCAAGTTGGAACGGACTGACTGTGGCCGACCTCGTCTTCC
 CATGGTTTGTATTTATTTATGGAACTTCAATTTTCTATCAATGACTTCTATCCTGCAACGAGGATGTTCC
 AAACTCAAACGCTGGGGAAGATTGTGTGGAGAAGCTTCTGCTAATCTGTATAGGAGTTATCATTGTC
 AACCCCAATTATTGCCTTGGTCCATTGTCTTGGGATAAAGTCCGATCCCTGGTGTCTGCAGCGGTTGG
 GAGTGACATACTTCGTGGTCGCTGTGTGGAGTTCTTTTTCTGGAAGCCTGTGCCTGACAGTTGTACCTT
 GGAAAGCAGCTGCTTCTCTCCGAGACATCACGTCCAGCTGGCCCCAGTGGCTCACCATCTGACGCTG
 GAAAGCATTGGCTGGCTTTGACATTTCTGCTGTCCCTGGGTGCCCTACTGGCTACCTTGGCCCTG
 GCGGTATAGGGGACTTGGGGAAGTATCCTCATTGTACTGGAGGAGCAGCTGGCTACATCGACCGCTGCT
 CCTGGGAGACAATCACCTGTACCAGCACCATCCTCCACCGTGTGTATCACACAGAGGTGGCCTACGAC
 CCTGAAGGAGTCTTAGGGACTATCAACTCAATTGTGATGGCGTTTTTAGGAGTTCAGGCAGGAAAAATAC
 TGGTGTATTACAAGGATCAGACGAAAGCCATCCTGACCCGATTTGCCGCTGGTGTGTATCCTTGGGCT
 TATTTCTATTGTGTGACAAAAGTGTCTGCAAATGAAGGTTTTATTCCAATAAACAAGAATCTCTGGTCC
 ATCTCGTACGTACCACACTGAGCTGCTTGCCTTCTTATCCTCCTCATTCTCTACCCAGTTGTGGATG
 TGAAGGGCTGTGGACGGGAACCCCTTCTTATCCAGGGATGAACTCCATCCTGGTGTATGTTGGCCA
 CGAGGTGTTGGAGAACTACTTCCCTTCCAGTGGAAAGCTGGCGGATGAGCAGTCACACAAAGAGCATCTC
 ATTCAGAACATAGTCGCCACGGCTCTCTGGGTGCTCATCGCTACGTGCTCTATAAAAAGAAGCTGTTTT
 GGAAAATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_029884
- Insert Size:** 1971 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:	NM_029884.1 , NP_084160.1
RefSeq Size:	2679 bp
RefSeq ORF:	1971 bp
Locus ID:	52120
UniProt ID:	Q3UDW8
Cytogenetics:	8 14.22 cM
Gene Summary:	Lysosomal acetyltransferase that acetylates the non-reducing terminal alpha-glucosamine residue of intralysosomal heparin or heparan sulfate, converting it into a substrate for luminal alpha-N-acetyl glucosaminidase.[UniProtKB/Swiss-Prot Function]