

Product datasheet for **SC116827**

HAS3 (NM_005329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAS3 (NM_005329) Human Untagged Clone
Tag:	Tag Free
Symbol:	HAS3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005329, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGTGCAGCTGACGACAGCCCTGCGTGTGGTGGGCACCAGCCTGTTTGCCTGGCAGTGCTGGGTG
GCATCCTGGCAGCCTATGTGACGGGCTACCAGTTCATCCACACGGAAAAGCACTACCTGTCTTCGGCCT
GTACGGCGCCATCCTGGGCTGCACCTGCTCATTAGAGCCTTTTGCCTTCCTGGAGCACCAGCGCATG
CGAGTGGCGCCAGGCCCTGAAGTGCCTCCCCGCGGGGGCTCGGTGGCACTGTGCATTGCCGAT
ACCAGGAGGCCCTGACTACTTGCAGTGCCTCGGCTCGGCCAGCGCATCTCCTTCCCTGACCTCAA
GGTGGTATGGTGGTGGATGGCAACCGCCAGGAGGACGCTACATGCTGGACATCTTCCACGAGGTGCTG
GGCGGCACCGAGCAGCCGGCTTCTTTGTGTGGCGCAGCAACTCCATGAGGCAGGCGAGGGTGAGACGG
AGGCCAGCCTGCAGGAGGCATGGACCGTGTGCGGGATGGTGCAGGCGCCAGCACCTTCTCGTGCATCAT
GCAGAAGTGGGGAGGCAAGCGGAGGTCATGTACACGGCCTTCAAGGCCCTCGGCGATTCCGGTGGACTAC
ATCCAGGTGTGCGACTCTGACACTGTGCTGGATCCAGCCTGCACCATCGAGATGCTTCGAGTCTGGAGG
AGGATCCCAAGTAGGGGAGTCCGGGGAGATGCCAGATCCTCAACAAGTACGACTCATGGATTCCTT
CCTGAGCAGCGTCCGGTACTGGATGGCCTTCAACGTGGAGCGGGCTGCCAGTCTACTTTGGCTGTGTG
CAGTGTATTAGTGGCCCTTGGCATGTACCGCAACAGCCTCCTCCAGCAGTTCTCGGAGGACTGGTACC
ATCAGAAGTTCCTAGGCAGCAAGTGCAGCTTCGGGGATGACCGGCACCTACCAACCGAGTCTGAGCCT
TGCTACCGAACTAAGTATACCGCGCGCTCAAGTGCCTCACAGAGACCCCACTAAGTACCTCCGGTGG
CTCAACCAGCAAACCCGCTGGAGCAAGTCTTACTTCCGGGAGTGGCTCTACAACCTCTGTGGTTCCATA
AGCACCACTCTGGATGACCTACGAGTCACTGGTACGGGTTTCTTCCCTTCTTCTCATTGCCACGGT
TATACAGTCTTCTACCGGGCCGCATCGAACATTCTCCTTCTCTGCTGACGGTGCAGCTGGTGGGC
ATTATCAAGGCCACCTACGCCTGCTTCTTCCGGGCAATGCAGAGATGATCTTATGTCCCTCTACTCCC
CACCTTGCGCCGAAAACCATTTGGTGAACCTTATTGGCCTCATTCTGTGCCATCTGGTGGCAGT
CTCTGGGAGGGCTGGCCTACACAGCTTATTGCCAGGACCTGTTAGTGAGACAGACTAGCCTTCCCTTG
TCTCTGGGCTATACTGTATGGCTGCTACTGGGTGGCCCTCCTCATGCTATATCTGGCCATCATGCCCC
GCGATGTGGGAAGAAGCCGGAGCAGTACAGCTTGGCTTTTGTGAGGTGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005329 unedited</p> <pre>TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGCGGAGCGGAGCGGGA GGAGGGGCATGGAGCCGCCGCGGGCCTGCTGAGCTCCGGAGCGCGGCAGCCGGCGGCACG ATGCCGGTGCAGCTGACGACAGCCCTGCGTGTGGTGGGCACCAGCCTGTTTGCCCTGGCA GTGCTGGGTGGCATCCTGGCAGCCTATGTGACGGGCTACCAGTTCATCCACACGGAAAAG CACTACCTGTCTTCGGCCTGTACGGCGCCATCCTGGCCTGCACCTGCTCATTACAGAGC CTTTTTGCCTTCCTGGAGCACCCGGCGCATGCGACGTGCCGGCCAGGCCCTGAAGCTGCC TCCCCGCGGGCGGCTCGGTGGCACTGTGCATTGCCGCTACCAGGAGGACCCTGACTAC TTGCGCAAGTGCCTGCGCTCGGCCAGCGCATCTCCTTCCTGACCTCAAGGTGGTCATG GTGGTGGATGGCAACCGCCAGGAGGACGCCTACATGCTGGACATCTCCACGAGGTGCTG GGCGGCACCGAGCAGGCCGGCTTCTTTGTGTGGCGCAGCAACTCCATGAGGCANGCGAG GGTGAGACGGAGGCCAGCCTGCAGGAGGGCATGGACCGTGTGCGGGATGTGGTGCGGGCC AGCACCTTCTCGTGCATCATGCAGAAGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005329 unedited</p> <pre>TTGGACCGCGCCGCAATTCTAGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TGCATATGGGAGAAATACTTTATTTTGACAAATAAGTGCAGTATAAAAACTTGACCTGA AAATTAATAAAAAAAAAAAAAAAAAAGCAGGGAAAAATAAATATGTTTACAAATTATTGGAGAA ACAATACAAAAGAGGATTTGAATTCTCAATGAGGAAAAACCAAAATGCGTCCAATTGTAT AAAGGCTCTTCCCTTGAAGAAACGGGGATAAAGCTGAAAACCCAGTTTGGTTTTGCTGC TGAAAAATGTACAAAATAACTTAAAAAAACCAAGTTCGAGGGCAAACGTTGGGAGCCCACTA CCTGTACCTGCCTGTTTTGATTTGAGGAAAGTTGACGACCACAGTGCAAGGCAAAGCTG ATGGTAGGACAGCCAGGAAAGCCTGGCATCCTACATTAATCTTCAAGGAAATGCTGAAGA AAAACAAGCCCTTAACGAAGTCTGAACTCTGCACTTGGCTGACCGGATTTCTCCATTCT AATGCTCAAAATAGTTTAACTTCTTGGCCAGCAGAACGATTGCCTGGATCAGCTGCCTTA ACAAATGCCTGGTGGCTTCCAGCCTTATGGGTGGGTCTGATGCCAACCAGCAGCTTTA CAGAAACTTGGAGGCTGTGGAAGGGCGCATTGTTACCTCCCCGNAACCCCTTGAGTTT CCGGGANATAAAGAAACCCNCGTTTGCCATTTGGGGGAGAGNCACTTGGGGCTTGGG GGAAAACTGNAACATAAAGTNGCCCTTTTGTGGCNTAACCCACAAACAGTTTCGACCGGT TTGGTGCCTTATACAGCCACTACGGTGNNAATGGAGCTATNNNTAACTAAGGCTCTTC CNTATTGCTGCTCCATGTAATCCAGATGTCNATTATGTGATGCCGTGACTATCAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005329
Insert Size:	4180 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_005329.2](#), [NP_005320.2](#)

RefSeq Size: 4220 bp

RefSeq ORF: 1662 bp

Locus ID: 3038

UniProt ID: [O00219](#)

Cytogenetics: 16q22.1

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is involved in the synthesis of the unbranched glycosaminoglycan hyaluronan, or hyaluronic acid, which is a major constituent of the extracellular matrix. This gene is a member of the NODC/HAS gene family. Compared to the proteins encoded by other members of this gene family, this protein appears to be more of a regulator of hyaluronan synthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

Transcript Variant: This variant (1) contains a different 5' exon as compared to variant 3. Both variants 1 and 3 encode the same protein (isoform a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.