

Product datasheet for SC321764

HAS3 (NM_138612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAS3 (NM_138612) Human Untagged Clone
Tag:	Tag Free
Symbol:	HAS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_138612.1</p> <pre> GGAGGGGCATGGAGCCGCCGCGGCCTGCTGAGCTCCGGAGCGCGCAGCCGGCGGCACG ATGCCGGTGCAGCTGACGACAGCCCTGCGTGTGGTGGGACCAGCCTGTTTGCCCTGGCA GTGCTGGGTGGCATCCTGGCAGCCTATGTGACGGGCTACCAAGTTCATCCACACGGAAAAG CACTACCTGTCCTTCGGCCTGTACGGGCCATCCTGGGCCTGCACCTGCTCATTAGAGC CTTTTTGCCTTCTGGAGCACCGGCGCATGCGACGTGCCGGCCAGGCCCTGAAGCTGCC TCCCCGCGCGGGGCTCGGTGGCACTGTGATTGCCGCGTACCAGGAGGACCCTGACTAC TTGCGCAAGTGCCTGCGCTCGGCCAGCGCATCTCCTTCCTGACCTCAAGGTGGTCATG GTGGTGGATGGCAACCGCCAGGAGGACGCTACATGCTGGACATCTTCCACGAGGTGCTG GGCGGCACCGAGCAGGCCGGCTTCTTTGTGTGGCGCAGCAACTCCATGAGGCAGGCGAG GGTGAGACGGAGGCCAGCCTGCAGGAGGGCATGGACCGTGTGCGGGATGTGGTGGCGGCC AGCACCTTCTCGTGCATCATGCAGAAGTGGGGAGGCAAGCGCGAGGTATGTACACGGCC TTCAAGGCCCTCGGCGATTTCGGTGGACTACATCCAGGTGTGCGACTCTGACACTGTGCTG GATCCAGCCTGCACCATCGAGATGCTTCGAGTCCTGGAGGAGGATCCCCAAGTAGGGGA GTCGGGGGAGATGTCCAGCCCCAGGAAAGGTATGGCAGTAGAGGATGACCAGGTCCAA GCTGCCCAGGTCAGAGCTACGGAAGCATGGTCCGTTACCAACGCCACGTTTCTAGAGAG CAGTGAGCTGATTCTCCAATGGTGAAGCAGGGGACTACATGTGAACTGGGACCTGCAGGCC AATGTATCCCTGAGGAAAAGTCCACAAGAACAATCAAGAACTAGTAAGAAAACAATGGG CAGAAAGCTGTGGGACGAAAGCACAGCAGGCTTCTGGGAGGCTGGAGATCCTTTCTCTCA AGGGCAGGATTATCCACCTGCCACAGTTCACATGCCACAAATAACATCTCACCTTCAG TCAAGAAAAACGCAAGGAAAAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_138612



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_138612.1</u> , <u>NP_619515.1</u>
RefSeq Size:	1229 bp
RefSeq ORF:	846 bp
Locus ID:	3038
UniProt ID:	<u>O00219</u>
Cytogenetics:	16q22.1
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains a different 5' and 3' exon as compared to variant 3. As a result, variant 2 encodes isoform b, which has the same N-terminus but is shorter and has a different C-terminus than isoform a encoded by variant 3.</p>