

## Product datasheet for **SC329609**

### HYAL3 (NM\_001200029) Human Untagged Clone

#### Product data:

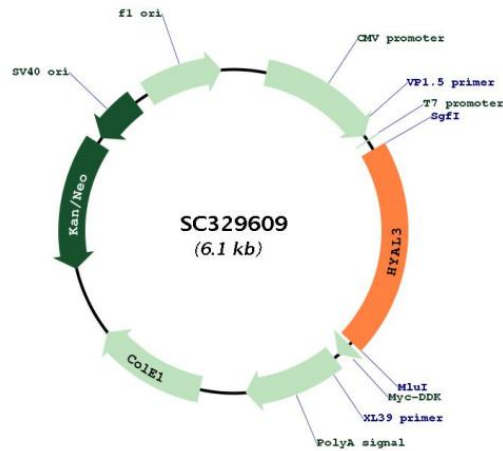
**Product Type:** Expression Plasmids  
**Product Name:** HYAL3 (NM\_001200029) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HYAL3  
**Synonyms:** HYAL-3; LUCA-3; LUCA3  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329609 representing NM\_001200029.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGACCACGCAACTGGGCCAGCCCTGGTCTGGGGTGGCCCTGTGCCTGGTTGTGGCCAGCCCTA
CCACAGGTCCTGAACGCCCTTCTCTGTGCTGTGGAATGTACCCTCAGCACACTGTGAGGCCGCTTT
GGTGTGCACCTGCCACTCAATGCTCTGGGCATCATAGCCAACCGTGGCCAGCATTTTCACGGTCAGAAC
ATGACCATTTTCTACAAGAACCAACTCGGCCTCTATCCCTACTTTGGACCCAGGGGCACAGCTCACAA
GGGGCATCCCCAGGCTTTGCCCTTGACCGCCACCTGGCACTGGCTGCCTACCAGATCCACCACAGC
CTGAGACCTGGCTTTGCTGGCCAGCAGTGTGGATTGGGAGGAGTGGTGTCCACTCTGGCTGGGAAC
TGGGGCCGCCCGGAGCTTATCAGGCAGCCTCTTGGGCTTGGGCACAGCAGGTATTCCCTGACCTGGAC
CCTCAGGAGCAGCTCTACAAGGCCTATACTGGCTTTGAGCAGGCGGCCCTGCACTGATGGAGGATACG
CTGCGGGTGGCCAGGCACTACGGCCCATGGACTCTGGGGCTTCTACTACCCAGCCTGTGGCAAT
GGCTGGCATAGTATGGCTTCCAATAACCGCCGCTGCCATGCAGCCACCCTTGCCCGCAACTCAA
CTGCATTGGCTCTGGGCCGCTCCAGTGCCTCTTCCCAGCATCTACCTCCCACCCAGGCTGCCACCT
GCCACCACAGGCTTTGTCCGACATCGCCTGGAGGAGGCTTCCGTGTGGCCCTTGTGGGCACCGA
CATCCCCTGCCTGTCTGGCCTATGTCCGCCTCACACCCGAGATCTGGGAGGTTCTGTCCCAGGAT
GACCTTGTGCAGTCCATTGGTGTGAGTGCAGCACTAGGGGCAGCCGGCGTGGTGTCTGGGGGACCTG
AGCCTCTCCAGCTCTGAGGAGGAGTGTGGCATCTCCATGACTACCTGGTGGACACCTTGGGCCCTAT
GTGATCAATGTGACCAGGCAGCGATGGCCTGCAGTACCAGCGGTGCCATGGCCACGGCGCTGTGCC
CGGCGAGATCCAGGACAGATGGAAGCCTTTCTACACCTGTGGCCAGACGGCAGCCTTGGAGATTGGAAG
TCCTTCAGCTGCCACTGTTACTGGGGCTGGGCTGGCCCCACCTGCCAGGAGCCAGGCTGGGCCTAAA
GAAGCAGTATAA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001200029

**Insert Size:** 1254 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\\_001200029.1](#)

**RefSeq Size:** 1731 bp

**RefSeq ORF:** 1254 bp

**Locus ID:** 8372

UniProt ID: [O43820](#)

Cytogenetics: 3p21.31

Protein Families: Secreted Protein

Protein Pathways: Glycosaminoglycan degradation, Metabolic pathways

MW: 46.5 kDa

**Gene Summary:** This gene encodes a member of the hyaluronidase family. Hyaluronidases are endoglycosidase enzymes that degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. The regulated turnover of hyaluronan plays a critical role in many biological processes including cell proliferation, migration and differentiation. The encoded protein may also play an important role in sperm function. This gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression, and the expression of specific transcript variants may be indicative of tumor status. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and some isoforms may lack hyaluronidase activity. This gene overlaps and is on the same strand as N-acetyltransferase 6 (GCN5-related), and some transcripts of each gene share a portion of the first exon. [provided by RefSeq, Jan 2011]  
Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. Both variants 1 and 5 encode the same protein (isoform 1).