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Product datasheet for SC321575

HYAL2 (NM_033158) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HYAL2 (NM_033158) Human Untagged Clone
Tag:	Tag Free
Symbol:	HYAL2
Synonyms:	LUCA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_033158.2
AGGCGCTGAGCCGGGCCGCGCCTGGGCGAACGGCCGGAGCGGGCTGGGCTGGGCCCGGGA
TGGCGGTGGCCCTGGCGCCGGTCCCGGTGGCGCCCCGCGCGAGTTCCTGAGCTGGTGCCA
GGCAGGTGACACCTCCTGCAGCCCCCAGCATGCGGGCAGGCCCAGGCCCCACCGTTACAT
TGGCCCTGGTGCTGGCGGTGGCATGGGCCATGGAGCTCAAGCCCACAGCACCACCCATCT
TCACTGGCCGGCCCTTTGTGGTAGCGTGGGACGTGCCCACACAGGACTGTGGCCCACGCC
TCAAGGTGCCACTGGACCTGAATGCCTTTGATGTGCAGGCCTCACCTAATGAGGGTTTTG
TGAACCAGAATATTACCATCTTCTACCGCGACCGTCTAGGCCTGTATCCACGCTTCGATT
CTGCCGGAAGGTCTGTGCATGGTGGTGTGCCACAGAATGTCAGCCTTTGGGCACACCGGA
AGATGCTGCAGAAACGTGTGGAGCACTACATTCGGACACAGGAGTCTGCGGGGCTGGCGG
TCATCGACTGGGAGGACTGGCGACCTGTGTGGGTGCGCAACTGGCAGGACAAAGATGTGT
ATCGCCGGTTATCACGCCAGCTAGTGGCCAGTCGTCACCCTGACTGGCCTCCAGACCGCA
TAGTCAAACAGGCACAATATGAGTTTGAGTTCGCAGCACAGCAGTTCATGCTGGAGACAC
TGCGTTATGTCAAGGCAGTGCGGCCCCGGCACCTCTGGGGCTTCTACCTCTTTCCTGACT
GCTACAATCATGATTATGTGCAGAACTGGGAGAGCTACACAGGCCGCTGCCCTGATGTTG
AGGTGGCCCGCAATGACCAGCTGGCCTGGCTGTGGGCTGAGAGCACGGCCCTCTTCCCGT
CTGTCTACCTGGACGAGACACTTGCTTCCTCCCGCCATGGCCGCAACTTTGTGAGCTTCC
GTGTTCAGGAGGCCCTTCGTGTGGCTCGCACCCACCATGCCAACCATGCACTCCCAGTCT
ACGTCTTCACACGACCCACCTACAGCCGCAGGCTCACGGGGCTTAGTGAGATGGACCTCA
TCTCTACCATTGGCGAGAGTGCGGCCCTGGGCGCAGCTGGTGTCATCCTCTGGGGTGACG
CGGGGTACACCACAAGCACGGAGACCTGCCAGTACCTCAAAGATTACCTGACACGGCTGC
TGGTCCCCTACGTGGTCAATGTGTCCTGGGCCACCCAATATTGCAGCCGGGCCCAGTGCC
ATGGCCATGGGCGCTGTGTGCGCCGCAACCCCAGTGCCAGTACCTTCCTGCATCTCAGCA
CCAACAGTTTCCGCCTAGTGCCTGGCCATGCACCTGGTGAACCCCAGCTGCGACCTGTGG
GGGAGCTCAGTTGGGCCGACATTGACCACCTGCAGACACACTTCCGCTGCCAGTGCTACT
TGGGCTGGAGTGGTGAGCAATGCCAGTGGGACCATAGGCAGGCAGCTGGAGGTGCCAGCG
AGGCCTGGGCTGGGTCCCACCTCACCAGTCTGCTGGCTCTGGCAGCCCTGGCCTTTACCT
GGACCTTGTAGGGGTCTCCTGCCTAGCTGCCTAGCAAGCTGGCCTCTACCACAAGGGCTC
TCTTAGGCATGTAGGACCCTGCAGGGGGTGGACAAACTGGAGTCTGGAGTGGGCAGAGCC
CCCAGGAAGCCCAGGAGGGCATCCATACCAGCTCGCACCCCCCTGTTCTAAGGGGGAGGG
GAAGTCCCTGGGAGGCCCCTTCTCTCCCTGCCAGAGGGGAAGGAGGGTACAGCTGGGCTG
GGGAGGACCTGACCCTACTCCCTTGCCCTAGATAGTTTATTATTATTATTATTTTGGGGT
CTCTTTTGTAAATTAAACATAAAACAATTGCAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_033158

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:	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_033158.2, NP_149348.2
RefSeq Size:	1909 bp
RefSeq ORF:	1422 bp
Locus ID:	8692
UniProt ID:	Q12891
Cytogenetics:	3p21.31
Domains:	Glyco_hydro_56
Protein Families:	Druggable Genome
Protein Pathways:	Glycosaminoglycan degradation, Metabolic pathways
Gene Summary:	This gene encodes a weak acid-active hyaluronidase. The encoded protein is similar in structure to other more active hyaluronidases. Hyaluronidases degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan and fragments of hyaluronan are thought to be involved in cell proliferation, migration and differentiation. Although it was previously thought to be a lysosomal hyaluronidase that is active at a pH below 4, the encoded protein is likely a GPI-anchored cell surface protein. This hyaluronidase serves as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR. [provided by RefSeq, Mar 2010] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.