

Product datasheet for **MC216692**

Hyal4 (NM_029848) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hyal4 (NM_029848) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hyal4
Synonyms:	4632428M18Rik; CSHY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216692 representing NM_029848
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAACTATTGCCTGAAGGACAATTAAGACTCTGTGTTTTCAACCAGTACATCTTACATCGGGGCTGC
 TCATACTTTTTATCCTGAAGTCTATCTCATCCCTAAAACCTGCCGACTTCCAGTTTATCAAAGGAAACC
 TTTTATTGCTGCTTGAATGCTCCAACAGACCTGTGTTTGATAAAAATAATTTAACACTGAACTTAAAA
 GTGTTTCAGATGGTTGAAGCCCTCGGCTCAAAGACAGGGGGCAAATGTTGTTATATTTTATGCCAACA
 GATTGGGATATTACCATGGTATACATCAGAAGGGGTACCCATCAATGGTGGTCTTCCCCAAAACACAAG
 CTTACAAGTACACCTGAAAAAGCTGCCAGGATTAATTATTACATCCCTTCTGAAAATTTAGTGGA
 CTTGCTGTATAGACTGGGAATATTGGCGCCACAGTGGGCCGGAAGTGAACACAAAGGATATCTACA
 GACAGAAGTCAAGAACTTTATTTCTGATATGAAAGAGAACATATCTGCTGCTGATATTGAATTCAGC
 CAAGGCAACTTTTGAAGAAAGTCAAAAGCTTTTATGGAGAACTATCAAATTTGGAAGTAAGAGCAGA
 CCCAAGGGCCTTTGGGGTTATTATTTATATCCTGATTGCCACAATTATAATGTTTATGCCACAACTATA
 CTGGGTCTATGCCAGAAGAGGAAGTTTTGAGGAACAATGACCTCTCTGGCTCTGGAACAGCAGTACAGC
 CCTGTATCCTGCTGTCAGTATTAGGAAATCCTTTGCAGACAGTAAAAACTTTGCACTTCTCACGATTT
 CGGGTGCCTGAATCACTGAGGATTTCCACCATGACATCACAGGATTATGCTCTGCCTGTATTTGTCTACA
 CACAGCTGGGCTACAAAGAGGAACCTTTACTTTTCCTTTAAGCAAGATCTAATTAGTACCATAGGAGA
 AAGTGTGCGTTGGGAGCGGCAGGCATTGTTGTTGGGAGACATGAATTTAACTTCTGAGGAGAAC
 TGTACGAAAGTGAACCGCTTTGTGAATTTGATTTGGCAGCTACATAATCAATGTGACCAGAGCAGCTG
 AGGTGTCAGTCGTCACCTTTGCAAGAATAATGGAGGTGTGACGGAAGACATGGAAGCAGCTCATT
 CCTCCATTTGAACCTGCAAGTTACCACATAGAGGCCTCTGAGGATGGAGAATTCATAGTGGGGGAAGA
 GCATCAGACACTGACCTAGCTGTGATGGCAGAGAAATTCCTATGTCACTGTTATGAGGGATATGAGGGG
 CTGACTGTAGAGAAATGACAGAGGCCAGTGGCCCTCGGGGCTTTCCCTTCTCTAGCTGTGAATAAC
 ACTGTGCTGCTAGTTCTAGCAGGTTATCAAAGCATTAGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1953_a10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_029848

Insert Size: 1446 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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>BC125402</u> , <u>AAI25403</u>
RefSeq Size:	2088 bp
RefSeq ORF:	1446 bp
Locus ID:	77042
UniProt ID:	<u>Q05A56</u>
Cytogenetics:	6 A3.1
Gene Summary:	Endo-hyaluronidase that degrades hyaluronan to smaller oligosaccharide fragments. Has also chondroitin sulfate hydrolase activity, The best substrate being the galactosaminidic linkage in the sequence of a trisulfated tetrasaccharide (By similarity).[UniProtKB/Swiss-Prot Function]