

Product datasheet for **MC207593**

Aspn (NM_025711) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aspn (NM_025711) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aspn
Synonyms: 4631401G09Rik; AA986886; PL; Plap1; SL; Slrr1c
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207593 representing NM_025711
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGAGTATGTGATGCTACTGCTTTGGCTGTGTGCTCTGCCAACCCCTTCTTAGCCCTTCCCACA
 CAGCACTGAAGAATATGATGTTGAAGGATATGGAAGACACAGATGATGACGATAACGATGATGACGACAA
 CTCTCTTTTCCAACGAAAGAGCCAGTGAACCCCTTTTCCCTTCGATTTGTTTCCAACATGTCCATTT
 GGGTGCCAATGTTACTCTCGAGTTGTTCACTGCTGATCTAGGTCTGACATCGGTTCCAACAACATTC
 CATTGATACTCGAATGTTGACCTTCAAATAATAAAATCAAGGAAATTAAGAAAAATGACTTTAAAGG
 ACTCACTTCACTTTATGCTCTGATTCTGAACAACAAGCTAACAAAGATTACCCAAAAACCTTTCTA
 ACCACAAAGAAATGAGAAGGCTATATTTATCCCAACAACCAACTAAGTGAATTCACCTTAATCTTCCCA
 AATCATTAGCAGAATCAGAATTCATGATAATAAAGTTAAGAAGATACAAAAGGACACGTTCAAGGGAA
 TGAATGCTTTACATGTTTTGGAATGAGTGCAAACCCCTCTTGAGAACAACGGGATAGAACCAGGGCATT
 GAAGGGTGACAGTATTCATATCAGGATCGTGAAGCAAACTAACCTCAATTCAAAAGGCCTACCAC
 CAACCTTTGCTGGAGCTTCATTTAGATTTAATAAAATTTCAACGGTGGAACCTTGAAGATCTTAAACGGTA
 CAGGGAAGTCAAAAGGCTGGTCTTGAAACAACAGAATCACAGATATTGAAAATGGAACCTTTTGCTAAT
 ATACCACGTGTGAGAGAGATACACTTGAACACAATAAACTAAAAAAATCCCTTCAGGATTACAGGAGT
 TGAAATACCTCCAGATAATCTTCTTCAATATAATTCAATTGCAAAAGTGGGAGTGAATGACTTCTGTCC
 AACAGTGCCAAAGATGAAGAAATCTTTATACAGTGCAATAAGTTTATTCAACAACCCAAATGAAGTACTGG
 GAAATACAACCTGCAACATTTCTGTTGTTCTTGGCAGAATGAGTGTTCAGCTTGGGAATGTTGGAAAT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_025711
Insert Size:	1122 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:	<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_025711.3</u> , <u>NP_079987.2</u>
RefSeq Size:	2362 bp
RefSeq ORF:	1122 bp
Locus ID:	66695
UniProt ID:	<u>Q99MQ4</u>
Cytogenetics:	13 A5
Gene Summary:	<p>This gene encodes a member of the small leucine-rich proteoglycan family. The encoded protein is an extracellular matrix protein that modulates the transforming growth factor-beta signaling pathway, regulating cartilage matrix gene expression and cartilage formation. The protein plays a role in the pathology of osteoarthritis. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>