

Product datasheet for MC210418

Aspn (NM_001172481) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aspn (NM_001172481) 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: >MC210418 representing NM_001172481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGAGTATGTGATGCTACTGCTTTGGCTGTGTGCTCTGCCAACCCCTTCTTAGCCCTTCCCACA
 CAGCACTGAAGAATATGATGTTGAAGGATATGGAAGACACAGATGATGACGATAACGATGATGACGACAA
 CTCTCTTTTTCCAACGAAAGAGCCAGTGAACCCTTTTTCCCTTCGATTTGTTTCCAACATGTCCATTT
 GGGTGCCAAATGTTACTCTCGAGTTGTTCACTGCTGATCTAGGTCTGACATCGGTTCCAACAACATTC
 CATTGATACTCGAATGGTTGACCTTCAAATAATAAAATCAAGGAAATTAAGAAAAATGACTTTAAAGG
 ACTCACTTCACTTTATGCTCTGATTCTGAACAACAAGCTAACAAAGATTACCCAAAAACCTTTCTA
 ACCACAAAGAAATGAGAAGGCTATATTTATCCCAACAACCAACTAAGTGAATTCACCTTAATCTTCCCA
 AATCATTAGCAGAATCAGAATTCATGATAATAAAGTTAAGAAGATACAAAAGGACACGTTCAAGGGAA
 GAATGCTTTACATGTTTTGGAATGAGTGCAAACCCTCTTGAGAACAACGGGATAGAACCAGGGCATT
 GAAGGGTGACAGTATTCATATCAGGATCGTGAAGCAAACTAACCTCAATTCAAAAGGCCTACCAC
 CACTTTGCTGGAGCTTCATTTAGATTTAATAAAATTTCAACGGTGGAACCTTGAAGATCTTAAACGGTA
 CAGGGAATGCAAAGGCTGGTCTTGAAACAACAGAATCAGATATTGAAAATGGAACCTTTTGCTAAT
 ATACCACGTGTGAGAGAGATACACTTGGAAACACAATAAACTAAAAAAATCCCTTCAGGATTACAGGAGT
 TGAAATACCTCCAGATAATCTTCTTCATTATAATTCAATTGCAAAAGTGGGAGTGAATGACTTCTGTCC
 AACAGTGCCAAAGATGAAGAAATCTTTATACAGTGCAATAAGTTTATTCAACAACCCCAATGAAGTACTGG
 GAAATACAACCTGCAACATTTGTTGTCTTGGCAGAATGAGTGTTCAGCTTGGGAATGTTGGAAAT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001172481
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_001172481.1</u> , <u>NP_001165952.1</u>
RefSeq Size:	2345 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 (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>