

Product datasheet for **MG224923**

Aspn (NM_001172481) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aspn (NM_001172481) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Aspn
Synonyms: 4631401G09Rik; AA986886; PL; Plap1; SL; Slrr1c
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224923 representing NM_001172481
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAGTATGTGATGCTACTGCTTTTGGCTGTGTGCTCTGCCAAACCCTTCTTTAGCCCTTCCCACA
CAGCACTGAAGAATATGATGTTGAAGGATATGGAAGACACAGATGATGACGATAACGATGATGACGACAA
CTCTCTTTTCCAACGAAAGAGCCAGTGAACCCTTTTCCCTTCGATTTGTTTCCAACATGTCCATTT
GGGTGCCAATGTTACTCTCGAGTTGTTCACTGCTCTGATCTAGGTCTGACATCGGTTCCAACAACATTC
CATTTGATACTCGAATGGTTGACCTTCAAATAATAAAATCAAGGAAATTAAGAAAATGACTTTAAGG
ACTCACTTCACTTATGCTCTGATTCTGAACAACAACAAGCTAACAAAGATTCACCCAAAACCTTTCTA
ACCACAAAGAAATGAGAAGGCTATATTTATCCCAACAACCACTAAGTGAATTCCACTTAACTTTCCCA
AATCATTAGCAGAATCAGAATTCATGATAATAAAGTTAAGAAGATACAAAAGGACACGTTCAAGGGAAAT
GAATGCTTTACATGTTTTGGAAATGAGTGCAAACCCTCTTGAGAACAACGGGATAGAACCAGGGCATT
GAAGGGGTGACAGTATCCATATCAGGATCGCTGAAGCAAACCTCAATTCAAAAGGCTACCCAC
CAACTTTGCTGGAGCTTCATTTAGATTTAATAAAATTTCAACGGTGAAGTGAAGATCTTAAACGGTA
CAGGGAAGTCAAAGGCTGGGCTTTGAAACAACAGAATCACAGATATTGAAAATGGAACCTTTGCTAAT
ATACCAGTGTGAGAGATACACTTGGAAACAATAAACTAAAAAAATCCCTCAGGATTACAGGAGT
TGAAATACCTCCAGATAATCTCCTTCAATTAATTAATTCAAATGCAAAAGTGGGAGTGAATGACTTCTGTCC
AACAGTGCCAAAGATGAAGAAATCTTTATACAGTGCAATAAGTTTATTCAACAACCAATGAAGTACTGG
GAAATACAACCTGCAACATTTGTTGTGTTCTTGGCAGAATGAGTGTTACGCTTGGGAATGTTGAAAA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001172481.1](#), [NP_001165952.1](#)

RefSeq Size: 2345 bp

RefSeq ORF: 1122 bp

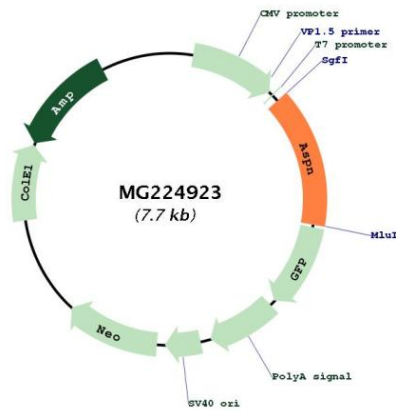
Locus ID: 66695

UniProt ID: [Q99MQ4](#)

Cytogenetics: 13 A5

Gene Summary: 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]

Product images:



Circular map for MG224923