

## Product datasheet for RC209353L3V

## OriGene Technologies, Inc.

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## Asporin (ASPN) (NM\_017680) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Asporin (ASPN) (NM\_017680) Human Tagged ORF Clone Lentiviral Particle

Symbol: Asporin

Synonyms: OS3; PLAP-1; PLAP1; SLRR1C

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM\_017680

**ORF Size:** 1152 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC209353).

OTI Disclaimer:

Sequence:

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

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeg:** NM 017680.3

 RefSeq Size:
 2541 bp

 RefSeq ORF:
 1140 bp

 Locus ID:
 54829

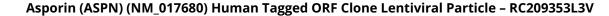
 UniProt ID:
 Q9BXN1

 Cytogenetics:
 9q22.31

**Protein Families:** Secreted Protein

MW: 43.9 kDa







## **Gene Summary:**

This gene encodes a cartilage extracellular protein that is member of the small leucine-rich proteoglycan family. The encoded protein may regulate chondrogenesis by inhibiting transforming growth factor-beta 1-induced gene expression in cartilage. This protein also binds collagen and calcium and may induce collagen mineralization. Polymorphisms in the aspartic acid repeat region of this gene are associated with a susceptibility to osteoarthritis, and also with intervertebral disc disease. Alternative splicing of this gene results in multiple transcript variants.[provided by RefSeq, Jul 2014]