

Recombinant Human ASPN protein, GST-tagged

Cat. No. ASPN-919H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ASPN full-length ORF (AAH63114.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	70.3 kDa
AA Sequence	MKEYVLLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDDDDDDDDDDDDDDDEE DNSLFPTREPRSHFFPDLFPMCPFGCQCYSRVVHCSDLGLTSVPTNIPFDTRMLDL QNNKIKEIKENDFKGLTSLYGLILNNNKLTKIHPKAFLTTKKLRRLYLSHNQLSEIPLNL PKSLAELRIHENKVKKIQKDTFKGMNALHVLEMSANPLDNNGIEPGAFEGVTVFHIRI AEAKLTSVPKGLPPTLLELHLDYNKISTVELEDFKRYKELQRLGLGNNKITDIENGSLA NIPRVREIHLENNKLKKIPSGLPELKYLQIIFLHSNSIARVGVNDFCPTVPKMKKSLYSA

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ISLFNNPVKYWEMQPATFRCVLSRMSVQLGNFGM

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ASPN asporin \[Homo sapiens \]](#)

Official Symbol

[ASPN](#)

Synonyms

ASPN; asporin; asporin (LRR class 1); asporin proteoglycan; FLJ20129; PLAP1; SLRR1C; small leucine-rich protein 1C; periodontal ligament associated protein 1; OS3; PLAP-1;

Gene ID

[54829](#)

mRNA Refseq

[NM_001193335](#)

Protein Refseq

[NP_001180264](#)

MIM

[608135](#)

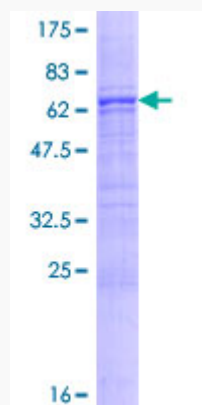
UniProt ID

[Q9BXN1](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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