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	MKEYVLLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDDDDDDDDDDDDDEE DNSLFPTREPRSHFFPFDLFPMCPFGCQCYSRVVHCSDLGLTSVPTNIPFDTRMLDL QNNKIKEIKENDFKGLTSLYGLILNNNKLTKIHPKAFLTTKKLRRLYLSHNQLSEIPLNL PKSLAELRIHENKVKKIQKDTFKGMNALHVLEMSANPLDNNGIEPGAFEGVTVFHIRI AEAKLTSVPKGLPPTLLELHLDYNKISTVELEDFKRYKELQRLGLGNNKITDIENGSLA NIPRVREIHLENNKLKKIPSGLPELKYLQIIFLHSNSIARVGVNDFCPTVPKMKKSLYSA

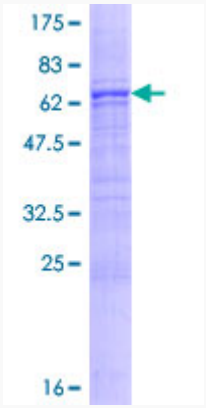
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	ISLFNNPVKYWEMQPATFRCVLSRMSVQLGNFGM
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 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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