

Recombinant Full Length Human ASPN Protein, GST-tagged

Cat. No. ASPN-1211HF **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	In Vitro Cell Free System
ProteinLength	384 amino acids
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	MKEYVLLLFL ALCSAKPFFS PSHIALKNMM LKDMEDTDDD DDDDDDDDDD DDDDEEDNSL FPTREPRSHF FPFDLFPMCP FGCQCYSRVV HCSDLGLTSV PTNIPFDTRM LDLQNNKIKE IKENDFKGLT SLYGLILNNN KLTKIHPKAF LTTKKLRRLY LSHNQLSEIP LNLPKSLAEL RIHENKVKKI QKDTFKGMNA LHVLEMSANP LDNNGIEPGA FEGVTVFHIR IAEAKLTSVP KGLPPTLLEL

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HLDYNKISTV ELEDKRYKE LQRLGLGNNK ITDIENGSLA NIPRVREIHL
 ENNKLLKKIPS GLPELKYLQI IFLHSNSIAR VGVNDFCPTV PKMKKSLYSA
 ISLFNNPVKY WEMQPATFRC VLSRMSVQLG NFGM

Applications

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

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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