

Recombinant Human ASPN Protein, His-tagged

Cat. No. ASPN-256H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASPN Protein (Phe57-Met371) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe57-Met371
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.7 kDa Accurate Molecular Mass: 40 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ASPN asporin [Homo sapiens (human)]
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

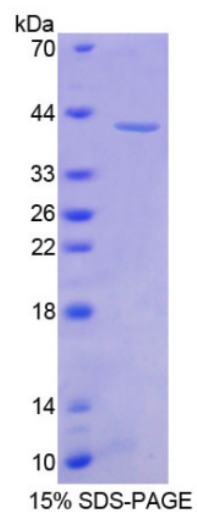
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UniProt ID

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