

Recombinant Mouse Aspn Protein, His-tagged

Cat. No. Aspn-255M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aspn Protein (Lys16-Lys373) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys16-Lys373
Description	This gene encodes a member of the small leucine-rich proteoglycan family. The encoded protein is an extracellular matrix protein that modulates the transforming growth factor-beta signaling pathway, regulating cartilage matrix gene expression and cartilage formation. The protein plays a role in the pathology of osteoarthritis. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 70.9 kDa Accurate Molecular Mass: 71 kDa
Purity	> 95%
Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

20mM Tris, 150mM NaCl, pH8.0, 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 [*Mus musculus* (house mouse)]

Official Symbol

Aspn

Synonyms

ASPN; asporin; periodontal ligament-associated protein 1; Plap1; Slrr1c; AA986886; 4631401G09Rik

Gene ID

66695

mRNA Refseq

NM_001172481

Protein Refseq

NP_001165952

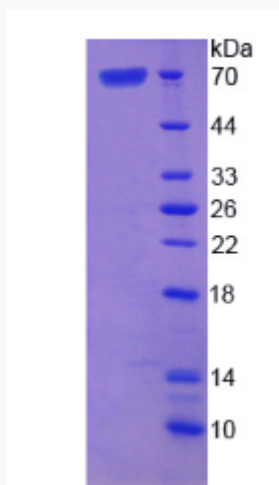
UniProt ID

Q99MQ4

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