

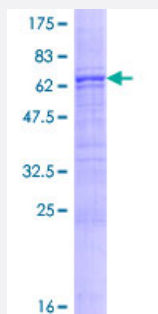
Full-Length

ASPN (Human) Recombinant Protein (P01)

Catalog # H00054829-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human ASPN full-length ORF (AAH63114.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKEYVLLLFLALCSAKPFFSPSHIALKNMMLKDMEDTDDDDDDDDDDDDDDDDDEEDNSLFPT
REPRSHFFPFDLFPMPFCGCQCYSRVHCSDLGLTSVPTNIPFDTRMLDLQNNKIKEIKENDFKG
LTSYGLILNNNKLTKIHPKAFLTTKKLRRLYLSHNQLSEIPLNLPKSLAELRIHENKVKKIQKDTFKG
MNALHVLEMSANPLDNNGIEPGA FEGVTVFHIRIAEAKLTSVPKGLPPTLLEHLDYNKISTVELED
FKRYKELQRLGLGNNKITDIENGLANIPRVREIHLENNKLLKIPSGLPPELKYLQIIFLHSNSIARVGVN
DFCPTVPMKKSLSAISLFNNPVKYWEMQPATFRCVLSRMSVQLGNFGM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.3

Interspecies Antigen Sequence

Mouse (89); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — ASPN

Entrez GeneID[54829](#)**GeneBank Accession#**[BC063114.1](#)**Protein Accession#**[AAH63114.1](#)**Gene Name**

ASPN

Gene Alias

FLJ20129, PLAP1, SLRR1C

Gene Description

asporin

Omim ID[165720 608135](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

ASPN belongs to a family of leucine-rich repeat (LRR) proteins associated with the cartilage matrix. The name asporin reflects the unique aspartate-rich N terminus and the overall similarity to decorin (MIM 125255) (Lorenzo et al., 2001 [PubMed 11152692]).[supplied by OMIM]

Other Designations

OTTHUMP00000021657|asporin (LRR class 1)|asporin proteoglycan|periodontal ligament associated protein 1|small leucine-rich protein 1C

Disease

- [Arthritis](#)

- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)
- [Spondylitis](#)