

HAPLN1 Protein, Human (HEK293, His)

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| Cat. No.: | HY-P76379 |
| Synonyms: | Hyaluronan and proteoglycan link protein 1; Cartilage-link protein; HAPLN1; CRTL1 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | P10915 (D16-N354) |
| Gene ID: | 1404 |
| Molecular Weight: | Approximately 52 kDa. |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | Hyaluronan and Proteoglycan Link Protein 1 (HAPLN1) protein plays a crucial role in stabilizing the aggregates formed by proteoglycan monomers in the extracellular matrix of cartilage, primarily through its interaction with hyaluronic acid. This function is essential for the structural integrity and stability of the cartilage matrix. By facilitating the binding and organization of proteoglycans with hyaluronic acid, HAPLN1 contributes to the maintenance of the extracellular environment, ensuring proper support and resilience within cartilage tissues. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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