

Datasheet for ABIN7596184

**HAPLN1 Protein (AA 16-354) (His tag)**[Go to Product page](#)

## Overview

Quantity:	250 µg
Target:	HAPLN1
Protein Characteristics:	AA 16-354
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This HAPLN1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

## Product Details

Sequence:	DHLSDNYTLD HDRAIHIQAE NGPHLLVEAE QAKVFSHRGG NVTLPCKFYR DPTAFGSGIH KIRIKWTKLT SDYLKEVDVF VSMGYHKKTY GGYQGRVFLK GGSDSDASLV ITDLTLEDYG RYKCEVIEGL EDDTVVVALD LQGVVFPYFP RLGRYNLNFH EAQQAQCLDQD AVIASFDQLY DAWRGGLDWC NAGWLSGDSV QYPITKPREP CGGQNTVPGV RNYGFWDKDK SRYDVFCFTS NFNGRFYYLI HPTKLTIDEA VQAQLNDGAQ IAKVGQIFAA WKILGYDRCD AGWLADGSVR YPISRPRRRC SPTEAAVRV GFDPDKKHKLY GVYCFRAYN
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Hyaluronic acid. The ED50 range ≤ 1 ug/ml.

## Target Details

Target:	HAPLN1
Alternative Name:	HAPLN1 ( <a href="#">HAPLN1 Products</a> )
Background:	HAPLN1, also known as CRTL1, is a member of the hyaladherin family. This protein contains a common structural domain of about 100 amino acids that is termed a Link module with two $\alpha$ -helices and two antiparallel $\beta$ -sheets. It involved in the formation and stability of extracellular matrix via its association with specific HA-binding proteins. It stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix. Also, It has been shown to interact with Versican, two extracellular matrix components essential for cardiac development. Recombinant human HAPLN1, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Molecular Weight:	39.3kDa (345aa)
NCBI Accession:	<a href="#">NP_001875</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.