

Datasheet for ABIN7317915 **HAPLN1 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	HAPLN1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAPLN1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HAPLN1 Protein (His Tag)
Sequence:	Met 1-Asn 354
Characteristics:	A DNA sequence encoding the human HAPLN1 (NP_001875.1) (Met 1-Asn 354) was expressed with a C-terminal polyhistidine tag.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HAPLN1
Alternative Name:	HAPLN1 (HAPLN1 Products)
Background:	Background: Hyaluronan (HA) is a high MW glycosaminoglycan significantly involved in the formation and stability of extracellular matrix via its association with specific HA-binding proteins. HAPLN1, also known as CRTL1 (Cartilage Link Protein 1, cLP) and link protein, is a

Target Details

member of HA-binding protein (hyaladherins) family, and contains a common structural domain of about 100 amino acids that is termed a Link module with two α -helices and two antiparallel β -sheets. HAPLN1/CRTL1 stabilizes the interaction between hyaluronan (HA) and versican, two extracellular matrix components essential for cardiac development. Link module superfamily can be divided into three subgroups, and the HAPLN family are C domain-type proteins that have an extended structure with one N-terminal V-type Ig-like domain followed by two link modules. In cartilage, aggrecan forms - cLP stabilized aggregates with HA that provides the tissue with its load bearing properties. HAPLN1 is a component of follicular matrix, was shown to enhance cumulus-oocyte complex (COC) expansion in vitro. HAPLN1 may promote periovulatory granulosa cell survival, which would facilitate their differentiation into luteal cells. Synonym: CRTL1

Molecular Weight:	40 kDa
NCBI Accession:	NP_001875

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.