

Recombinant Human HAPLN1, His-tagged

Cat. No. HAPLN1-253H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HAPLN1, 16-354 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	16-354aa
Description	: HAPLN1 belongs to the HAPLN family. It contains 1 Ig-like V-type (immunoglobulin-like) domain and contains 2 Link domains. This protein stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix. Recombinant human HAPLN1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	40.9kDa (362aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDHLS DNY TLDHDRAIHI QAENGPHLLV EAEQAKVFSH RGGNVTL PCK FYRDPTAFGS GIHKIRIKWT KLTSDYLKEV DVFVSMGYHK KTYGGYQGRV FLKGGSDSDA SLVITDLTLE DYGRYKCEVI EGLEDDTVVV ALDLQGVVFP YFPRLGRYNL NFHEAQQACL DQDAVIASFD QLYDAWRGGL DWCNAGWLSD GSVQYPITKP REPCGGQNTV PGVRNYGFWD KDKSRYDVFC FTSNFNGRFY YLIHPTKLT Y DEAVQACLND GAQIAKVGQI FAAWKILGYD RCDAGWLADG SVRYPI SRPR RRCSPTEAAV RFVGFPDKKH

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	KLYGVYCFRA YN
Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HAPLN1 hyaluronan and proteoglycan link protein 1 [Homo sapiens]
Official Symbol	HAPLN1
Synonyms	HAPLN1; hyaluronan and proteoglycan link protein 1; cartilage linking protein 1 , CRTL1; Cartilage link protein; cartilage-link protein; proteoglycan link protein; cartilage linking protein 1; cartilage-linking protein 1; CRTL1;
Gene ID	1404
mRNA Refseq	NM_001884
Protein Refseq	NP_001875
MIM	115435
UniProt ID	P10915
Chromosome Location	5q14.3

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Function	binding; hyaluronic acid binding;
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