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## Product Data Sheet

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Product Name: HAPLN1 Human  
 Cat. No.: GP23610  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hyaluronan and proteoglycan link protein 1 precursor; CRTL1; Cartilage-linking protein 1; Cartilage-link protein; Proteoglycan link protein; HAPLN1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSDHLS DNY TLDHDRAIHI QAENGPHELLV EAEQAKVFSH RGGNVTL PCK FYRDPTAFGS GIHKIRIKWT KLTS DYLKEV DVFVSMGYHK KTYGGYQGRV FLKGGSDSDA SLVITDLTLE DYGRYKCEVI EGLEDDTVVV ALDLQGVVFP YFRLGRYNL NFHEAQQACL DQDAVIASFD QLYDAWRGGL DWCNAGWLS D GSVQYPITKP REPCGGQNTV PGVRNYGFWD KDKSRYDVFC FTSNFNGRFY YLIHPTKLTY DEAVQACLND GAQIAKVGQI FAAWKILGYD RCDAGWLADG SVRYPI SRPR RRCSPTEAAV RFVGF PDKKH KLYGVYCFRA YN.		
Formulation	HAPLN1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Hyaluronan And Proteoglycan Link Protein 1, which is also known as HAPLN1 is a part of the HAPLN family. HAPLN1 contains one Ig-like V-type domain and two Link domains. In the extracellular cartilage matrix, HAPLN1 stabilizes the aggregates of proteoglycan monomers by means of hyaluronic acid .

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HAPLN1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (16-354 a.a.) and having a molecular mass of 40.9kDa. HAPLN1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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