

**HAPLN1, 16-354 aa, Human, His tag, E.coli**

**Cat.NO.: TP02399**

3th Edition

**Synonyms:** Hyaluronan and proteoglycan link protein 1 precursor, CRTL1

**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 Weight:** 40.9kDa (362aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSDHLSNYTLHDHRAIHQAENGPHELLVEAEQAKVFSHRGGNVTLPCKFYRD  
PTAFGSGIHKIRIKWTKLTSYDLKEVDVFVSMGYHKKTYGGYQGRVFLKGGSDSDASLVITDLTLEDYGRYKCEVIE  
GLEDDTVVVALDLQGVVFPYFPRLGRYNLNFHEAQQACLDQDAVIASFDQLYDAWRGGLDWCNAGWLSDGSVQY  
PITKPREPCGGQNTVPGVRNYGFWDKDKSRYDVFCSNFNFRFYLIHPTKLTIDEAVQACLNDGAQIAKVGQIF  
AAWKILGYDRCDAGWLADGSRYPISRPRRRCSPTAAVRFVGFDPKHKHLYGVYCFRAYN

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.