

Recombinant human HAPLN1 protein

Catalog Number: ATGP2746

PRODUCT INFORMATION

Expression system

E.coli

Domain

16-354aa

UniProt No.

P10915

NCBI Accession No.

NP_001875

Alternative Names

Hyaluronan and proteoglycan link protein 1 precursor, CRTL1

PRODUCT SPECIFICATION

Molecular Weight

40.9 kDa (362aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>DHLSDNY TLDHDRAIHI QAENGPLLV EAEQAKVFSH RGGNVTL PCK

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FYRDPTAFGS GIHKIRIKWT KLTSYDLKEV DVFVSMGYHK KTYGGYQGRV FLKGGSDSDA SLVITDLTLE DYGRYKCEVI
EGLEDDTVVV ALDLQGVVFP YFPRLGRYNL NFHEAQQACL DQDAVIASFD QLYDAWRGGL DWCNAGWLSG GSVQYPITKP
REPCGGQNTV PGVRNYGFWD KDKSRYDVFC FTSNFNGRFY YLIHPTKLT Y DEAVQACLND GAQIAKVGQI FAAWKILGYD
RCDAGWLADG SVRYPIRPR RRCSPTEAAV RFVGFDPDKH KLYGVYCFRA YN

General References

Naba,A, et al. (2012) Mol. Cell Proteomics 11 (4), M111

Lin,Z., et al. (2012) Nat. Genet. 44 (1), 73-77

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

