# abcam

# Product datasheet

# Recombinant Human Hsp47 protein ab86918

### 1 Image

#### **Description**

Product name Recombinant Human Hsp47 protein

Purity > 90 % SDS-PAGE.

ab86918 was purified using conventional chromatography techniques.

**Expression system** Escherichia coli

Protein length Full length protein

Animal free No

Nature Recombinant

**Species** Human

Sequence MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD

KDRWGSHMAA EVKKPAAAAA PGTAEKLSPK
AATLAERSAG LAFSLYQAMA KDQAVENILV
SPVVVASSLG LVSLGGKATT ASQAKAVLSA
EQLRDEEVHA GLGELLRSLS NSTARNVTWK
LGSRLYGPSS VSFADDFVRS SKQHYNCEHS
KINFRDKRSA LQSINEWAAQ TTDGKLPEVT
KDVERTDGAL LVNAMFFKPH WDEKFHHKMV
DNRGFMVTRS YTVGVMMMHR TGLYNYYDDE

KEKLQIVEMP LAHKLSSLII LMPHHVEPLE RLEKLLTKEQ

LKIWMGKMQK KAVAISLPKG VVEVTHDLQK HLAGLGLTEA IDKNKADLSR MSGKKDLYLA

SVFHATAFEL DTDGNPFDQD IYGREELRSP KLFYADHPFI

FLVRDTQSGS LLFIGRLVRP KGDKMRDEL

#### **Specifications**

Our Abpromise guarantee covers the use of ab86918 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

#### **Preparation and Storage**

#### Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

#### **General Info**

**Function** Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of

collagen.

**Involvement in disease**Note=Defects in SERPINH1 may cause severe autosomal recessive osteogenesis imperfecta

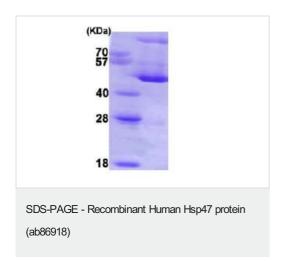
(OI). Osteogenesis imperfecta defines a group of connective tissue disorders characterized by

bone fragility and low bone mass.

**Sequence similarities** Belongs to the serpin family.

**Cellular localization** Endoplasmic reticulum lumen.

#### **Images**



15% SDS-PAGE analysis of 3µg ab86918

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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