HSP47 (human), (recombinant)

Recombinant human HSP47 that acts as an ER-resident chaperone, assisting in collagen synthesis and assembly.

Hsp47, also known as colligin and gp46, is an ER-resident collagen-specific stress glycoprotein involved in the synthesis and assembly of varoius collagens as a molecular chaperone. Hsp47 is a member of the serpin superfamily, but localizes to the ER via binding of its C-terminal RDEL sequence to KDEL receptors in the ER. Hsp47 binds procollagen co-translationally as it enters the ER, and dissociates prior to its secretion.

Citations: 1 View Online »

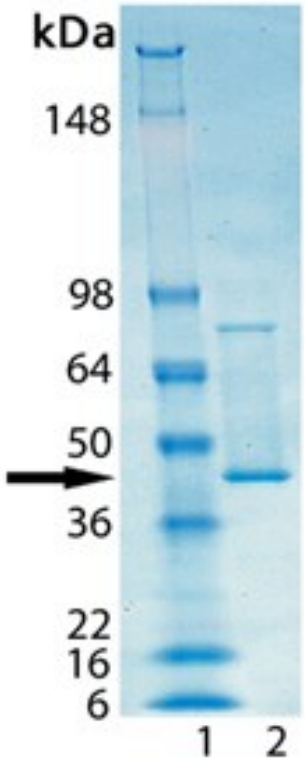
Ordering Information

Order Online »

ADI-SPP-535-D	50µg

Manuals, SDS & CofA

View Online »



SDS-PAGE Analysis. Lane 1: MW marker, Lane 2: 1.0 µg of purified Hsp47 (Prod. No. ADI-SPP-535)

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	SerpinH1, Colligin, Gp46, Heat shock protein 47, Collagen binding protein
Application Notes	Western blot control.
Endotoxin Content	< 50 EU/mg determined by Limulus Amebocyte Lysate (LAL) gel clot assay.
Formulation	Liquid. In 30mM TRIS, pH 8.0, containing 100mM sodium chloride, 1mM DTT, and 0.4M arginine.
MW	~47kDa
Purity	≥90% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in *E. coli*.
UniProt ID	P50454

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