Grp94 (canine), (recombinant)

Recombinant canine Grp94, an ER-resident Hsp90-family chaperone that assists in protein folding, assembly, and trafficking, and is upregulated under stress conditions like heat shock or glucose deprivation.

Grp94 (Glucose-regulated protein 94) is an abundant resident endoplasmic reticulum (ER) lumenal stress protein, which together with cytosolic Hsp90 belongs to the Hsp90 family of molecular chaperones. Grp94 expression is upregulated by stress conditions such as glucose starvation and heat shock, which promote protein misfolding or unfolding. In addition to a homeostatic role in protein folding and assembly, Grp94 can function in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells.

Citations: 1 View Online »

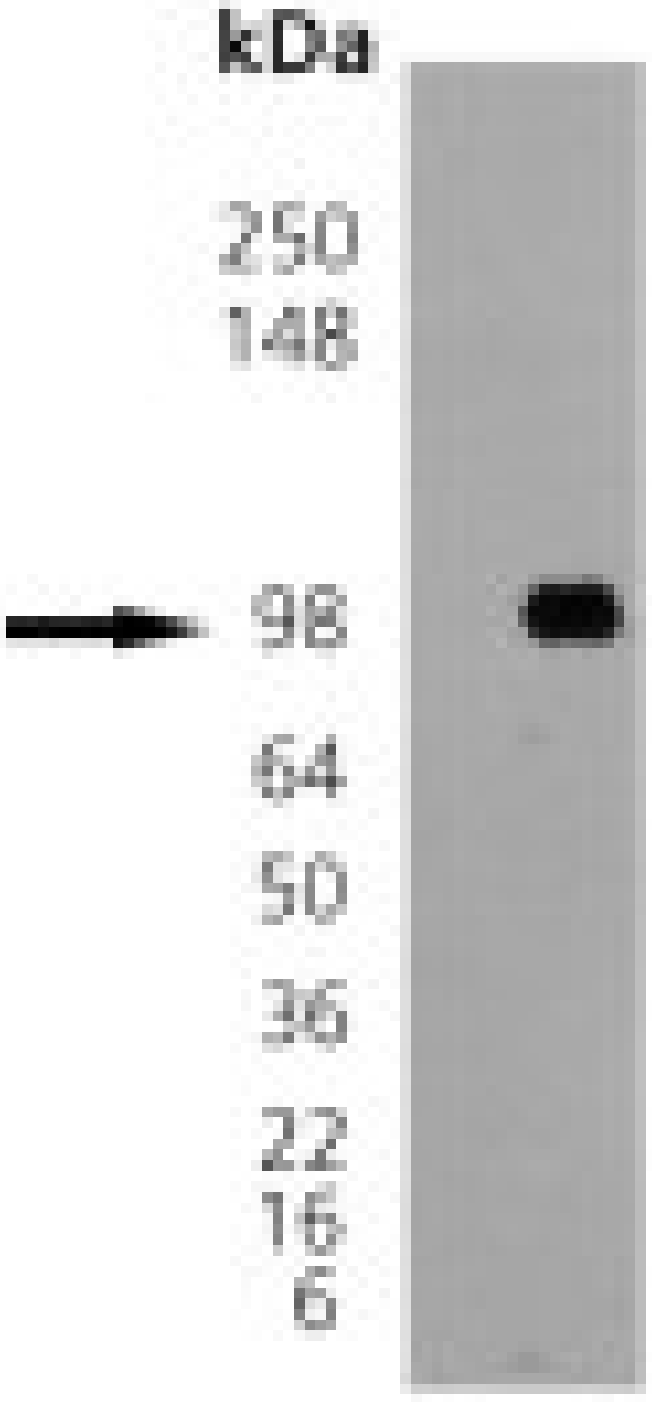
Ordering Information

Order Online »

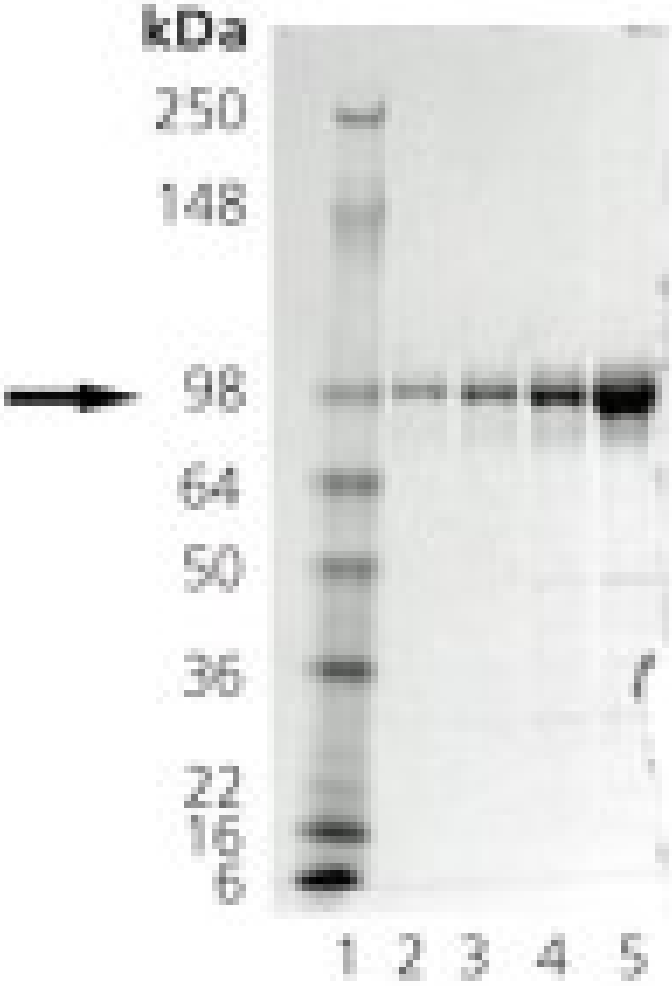
ADI-SPP-766-D	50µg
ADI-SPP-766-F	200µg

Manuals, SDS & CofA

View Online »



Western Blot analysis: 100 ng of Grp94 (canine), (recombinant) probed with Prod. No. ADI-SPA-850.



SDS-PAGE analysis: Lane 1: MW marker, Lane 2: 0.5µg; Lane 3: 1µg; Lane 4: 2µg; Lane 5: 5µg of Grp94 (canine), (recombinant) detected by Coomassie Stain

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Tra1, Tumor rejection antigen 1, Hsp90B1, Gp96, Heat shock protein 90 kDa beta member 1, Endoplasmin
Application Notes	Western blot control.
Formulation	Liquid. In 20mM MOPS, pH 7.5, containing 0.5mM EDTA.
MW	~94kDa
Purity	≥90% (SDS-PAGE; Western blot)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in Sf21 insect cells. Produced in a baculovirus expression system.
UniProt ID	P41148

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