

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Human B7-H2 (Fc)

(CD275)

Purified Factor	Product Number	HC67733A	20.0 ug
		HC67733B	100.0 ug

#### DESCRIPTION:

Human B7-H2 ( B7 Homolog-2) also known as Inducible Co-stimulator-Ligand or B7-related protein, is a member of the B7 immunoglobulin family. B7-H2 is expressed on peripheral organs and may mark a unique function in immune reactions where T cells have migrated to peripheral tissues. B7-H2 is believed to be involved in the inflammatory response, including auto-immune disorders.

This recombinant human B7-H2 is a glycosylated homodimer with 942 aa. residues, with 238 aa. monomer extracellular domain, and 231 aa. Fc portion of human IgG1. Total molecular weight is approximately 105 kDa, but gel migration shows apparent MW of approx. 95 kDa by SDS-PAGE and reducing conditions.

**SOURCE:** CHO cells  
Purity > 96% by HPLC analysis  
Endotoxin < 0.1 ng per ug Human B7-H2

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**

Activity determined by ability to induce adhesion in Jurkat cells activated with immobilized anti-CD3 with half-maximal effect @ approx. 0.5 ug/mL.

#### HANDLING AND STORAGE:

Purified Human B7-H2 factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. **Spin-down** vial prior to opening.

**Reconstitute with 50 uL distilled water**, then further dilute in PBS or other buffered solutions containing 0.1% BSA. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage -up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend micro-centrifuging for 30 seconds to spin-down all material.

**RESEARCH USE ONLY -NOT for DRUG USE**

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