

## PRODUCT INFORMATION SUMMARY

### Human Visfatin

Purified Factor	Product Number	HC511205B	25.0 ug
		HC511205A	5.0 ug

#### DESCRIPTION:

Human Visfatin, also known as Pre-B cell colong Enhancing Factor (PBEF), is a factor isolated from visceral fat and produced primarily by adipose tissue. Visfatin appears to mimic the activity of insulin by binding to the insulin receptor to produce hypoglycemic effects. Binding to the insulin receptor by Visfatin is not blocked by insulin itself, suggesting two different binding sites. Levels of Visfatin in plasma correlate with body fat percentage similar to leptin levels. Visfatin may play a role in the regulation of body weight. Human Visfatin isoform 1 is a protein of molecular weight 52.5 kDa, with 465 aa. residues.

**SOURCE:** E. Coli, sterile filtered, lyophilized  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Visfatin

#### BIOLOGICAL ACTIVITY:

Biological activity demonstrated by dose dependant stimulation of human RPMI 8226 cells at concentration of 20.0 ng/mL for 50% endpoint.

#### HANDLING AND STORAGE:

Purified Human Visfatin is provided lyophilized from Tris buffered saline, pH 8.0, and additive-free. Store lyophilized, at -20° C. **Spin-down**, then reconstitute with **sterile water** to a concentration of 500 ug/mL, (**NOTE: SLOW TO DISOLVE**) then dilute in TBS or other buffered solutions. 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 microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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