

## PRODUCT INFORMATION SUMMARY

### Human sol. CD40 Ligand

Purified Factor	Product Number	HC88855B	50.0 ug
		HC88855A	10.0 ug

#### DESCRIPTION:

Human Soluble CD40 Ligand (TRAP) contains the receptor binding TNF-like domain of CD40L, a protein that is involved in the helper function of T cells. Human CD40 Ligand factor has a molecular weight of 16.3 kDa, with 149 aa. residue.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug CD40L

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Stimulates IL-8 production by human PBMC (10-100 ng/mL), and stimulation of IL-12 production.

#### HANDLING AND STORAGE:

Purified Human CD40 ligand is provided lyophilized. Store lyophilized, at -20° C. Upon reconstitution with 100 uL of 5-10 mM NaP (pH 7.2), then dilute in PBS or other buffered solutions. Store small aliquots at -20 ° C for long-term storage, at high concentration.

**Before opening vial:** we recommend microcentrifuge for 30 seconds, to spin-down any lyophilized material that may adhere to sides of vial. These small amounts of lyophilized protein may exist as a thin film, and be difficult to see in the vial.

#### 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**