



Recombinant Human soluble CD40 Ligand / TRAP

CATALOG NUMBER:	GF101
LOT NUMBER:	
QUANTITY:	10 µg
DESCRIPTION:	CD40 Ligand (CD40L/TRAP) is a type II membrane protein that effectuates the helper function of T cells on resting B cells. GF101 is a 16.3 kDa protein containing 149 amino acid residues comprising the receptor binding TNF-like domain of CD40L.
SOURCE:	E. coli
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of sCD40L/TRAP.
BIOLOGICAL ACTIVITY:	GF101 is fully biologically active as determined by the stimulation of IL-12 induction by human peripheral blood mononuclear cells (PBMC). It also stimulates IL-8 induction by human PBMC. The expected ED ₅₀ for this effect is 5-10 ng/mL. Results may vary depending on PBMC donors.
PRESENTATION:	Sterile filtered and lyophilized from 10 mM Sodium Phosphate, pH 7.5.
STORAGE/HANDLING:	The lyophilized protein is stable for a few weeks for at room temperature but is best stored at –20°C for up to 12 months after date of receipt. Reconstitute in 5-10 mM Sodium Phosphate, pH7.5 to a concentration of 0.1-1 mg/mL. This solution can be diluted into other aqueous buffers and stored at 2-8°C for one week or –20°C for future use. Reconstituted sCD40L/TRAP should be stored at –20°C in undiluted aliquots for up to 6 months. Freeze/thaw cycles will result in significant loss of activity.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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