

# Human sCD40L Recombinant Protein



RPPB0893

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## Product Information    Protein Information

**Product SKU:**

RPPB0893

**Accession:**

P29965

**Host:**

Escherichia Coli.

**Protein description:**

sCD40 Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 149 amino acids and having a molecular mass of 16308 Dalton. The sCD40 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

CD40-L, Tumor necrosis factor ligand superfamily member 5, TNF-related activation protein, TRAP, T cell antigen Gp39, CD154 antigen, sCD40, IGM, IMD3, HIGM1, T-BAM, TNFSF5, hCD40L.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.0.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized sCD40 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized sCD40 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD154 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

**Biological Activity:**

The ED50 as determined by the dose-dependant stimulation of IL-12 induction & IL-8 production by human PBMC was found to be 5-10 ng/ml.