



Recombinant Human CD40 Ligand/TRAP (Soluble) Datasheet

Catalog Number:	PR27033	Product Type:	Recombinant Protein
Source:	E. Coli		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Lys-Gly-Asp.		
Description/Molecular Mass:	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.		
Protein Content:	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.1 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of soluble sCD40 as a Reference Standard.		
Biological Activity:	The ED ₅₀ as determined by the dose-dependant stimulation of IL-12 & IL-8 induction by PMB (Peripheral Mononuclear) cells was found to be 5-10 ng/ml.		
Purity:	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.		
Format:	Lyophilized from a sterile concentrated solution (1mg/ml) with 10mM Sodium Phosphate pH=7.5.		
Reconstitution:	It is recommended to reconstitute the lyophilized sCD40 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Storage:	Lyophilized sCD40 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sCD40 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.		

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