

Product: sCD40 Ligand/TRAP, Human, Recombinant
Catalog #: 11-sCD40L-H
Amount: 5 µg

DESCRIPTION: Recombinant Human sCD40 produced in E.Coli is a non-glycosylated, Polypeptide chain containing 149 amino acids and having a molecular mass of 16308 Dalton. rHusCD40 is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Lys-Gly-Asp.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: < 0.1 ng/µg (IEU/µg) of rHusCD40

DIMERS & AGREGATES: < 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 0.924 as the extinction coefficient for a 0.1% (1 mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a calibrated solution of sCD40 as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

BIOLOGICAL ACTIVITY: rHusCD40 is fully biologically active when compared to standard
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

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