Product: **Cytotoxic T-Lymphocyte Associated Antigen-4/Fc Chimera, human, recombinant**
Catalog #: **11-CTLA-4H**
Amount: **5 µg**

DESCRIPTION:	Recombinant Human CTLA-4 produced in E.Coli is a homodimeric, non-glycosylated, polypeptide chain containing a total molecular mass of 80 kDa. Each subunit (40kDa) is fused to a polypeptide linker to the Fc portion of Human IgG1. CTLA-4 is expressed in low copy number by T-cells only after activation, but it binds CD28-ligand with approximately 20-fold higher affinity than CD28. A soluble form of the extracellular domain of CTLA-4 has been shown to bind CD28-ligand with high avidity and to suppress T-cell-dependent antibody responses in vivo. Large doses of this soluble protein also suppress responses to a second immunization. rHuCTLA-4 is purified by proprietary chromatographic techniques The sequence of the first five N-terminal amino acids was determined and was found to be Lys-Ala-Met-His-Val
SOURCE:	*Escherichia coli*
PURITY:	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC
DIMERS & AGGREGATES:	<1% as determined by silver stained SDS-PAGE gel analysis
ENDOTOXIN:	< 0.1 ng/µg (IEU/µg) of rHuCTLA-4
PROTEIN CONTENT:	Protein quantitation was carried out by two independent methods: 1) UV spectroscopy at 280 nm 2) Analysis by RP-HPLC, using a standard solution of CTLA-4 as a Reference Standard.
FORM:	Purified
APPLICATION:	1) Molecular standard (Western, ELISA) in studying secreted BMP-4 2) Preparing antibodies for BMP-4 monomer. 3) Molecule standard in detecting secreted BMP-4 in reduced SDS-PAGE
STORAGE:	-20°C, avoid freezing and thawing cycles after reconstitution
BIOLOGICAL ACTIVITY:	rHuCTLA-4 is fully biologically active when compared to standards

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