

Product: Interleukin-6, human, recombinant
Catalog #: 11-IL-6H
Amount: 5 µg

DESCRIPTION: Recombinant human Interleukin 6 (rHuIL-6)
rHuIL-6 is a dimeric, non-glycosylated polypeptide chain containing 184 amino acids and having a molecular mass of 21,000 Dalton.
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Pro-Val-Pro-Pro

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 21 kDa

PURITY: > 98%, 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: Less than 0.1 ng/µg (IEU/µg) of rHuIL-6

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm using the absorbency value of 0.47 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENcomputer analysis program of protein sequences
- Analysis by RP-HPLC, using a standard solution of IL-6 as a Reference Standard

FORM: Purified, in 1.6% HSA and 2% mannitol

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuIL-6 is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant stimulation of murine 7TD1 cells is < 0.1 ng/ml, corresponding to a Specific Activity of 5 x 10⁷ IU/mg.

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