

Product: Thrombopoietin, Human, Recombinant
Catalog #: 11-TPO-H
Amount: 5 µg

DESCRIPTION: Recombinant Human Thrombopoietin (rHuTPO)
rHuTPO is a single, non-glycosylated soluble polypeptide chain containing 174 amino acids and having a molecular mass of 18608 Dalton which comprises the receptor binding domain of the Mpl-ligand protein
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Pro-Ala-Pro-Pro.

SOURCE: *Escherichia coli*

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: Less than 0.1 ng/µg (IEU/µg) of rHuTPO

DIMERS & AGREGATES: Less than 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
2. Analysis by RP-HPLC, using a calibrated solution of human TPO as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rHuTPO is fully biologically active when compared to standards
The ED50 as determined by the dose-dependant stimulation of MO7e cells is < 1 ng/ml, corresponding to a Specific Activity of 1 x 10⁶ IU/mg

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