

Product: Insulin-Like Growth Factor Binding Protein-3, Human, Recombinant
Catalog #: 11-IGFBP-3H
Amount: 5 µg

DESCRIPTION: Recombinant Human IGFBP-3 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 264 amino acids and having a molecular mass of 28806 Dalton.
rHuIGFBP-3 is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Ala-Ser-Ser-Gly.

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 rHuIGFBP-3.

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

FORM: Purified in 20mM Tris HCL

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 IGFBP-3 as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rHuIGFBP is fully biologically active when compared to standards.
The ED₅₀, calculated by its ability to inhibit IGF-II induced proliferation of MCF-7 is < 0.2 µg/ml in the presence of 15 ng/ml of Human IGF-II.

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