

## 32-7318: Recombinant Human Insulin-Like Growth Factor-Binding Protein 4/IGFBP-4 (C-6His)

**Gene :** IGFBP4  
**Gene ID :** 3487  
**Uniprot ID :** P22692

### Description

Source: Human Cells.  
MW :27.01kD.

Recombinant Human Insulin-Like Growth Factor-Binding Protein 4 is produced by our Mammalian expression system and the target gene encoding Asp22-Glu258 is expressed with a 6His tag at the C-terminus. IGFBP-4, whose full name is insulin-like growth factor-binding protein 4, is induced by forskolin and N<sup>6</sup>, O<sup>2</sup>-dibutyryl sdenosine 3', or 5'-cyclic monophosphate. It contains IGFBP N-terminal domain and thyroglobulin type-1 domain, and can bind IGF2. The IGF-binding proteins can prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** DEAIHCPPCSEEKLARCRPPVGCCELVREPGCGCCATCALGLGMPGCVYTPRCGSGLRRCYPPRGVEKPLHTLM  
HGQGVCMEIAEIEAIQESLQPSDKDEGDHPNNSFSPCSAHDRCLQKHFAKIRDRSTSGGKMKVNGAPREDA  
RPVPQGSCQSELHRALERLAASQSRTHEDLYIIPNCDRNGNFHPKQCHPALDGQRGKCWCVDRKTGVKLP  
GLEPKGELDCHQLADSFREVDHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.