

Recombinant Human Insulin-like Growth Factor-Binding Protein 5

#R00122

Size: 5 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

LGSFVHCEPCDEKALSMCPPSPLGCELVKEPGCGCC
MTCALAEQGSCGVYTERCAQGLRCLPRQDEEKPLH
ALLHGRGVCLNEKSYREQVKIERDSREHEEPTTSEM
AEETYSPIKIFRPKHTRISELKAEAVKKDRRKLTQSKF
VGGAENTAHPRIISAPEMRQESEQGPCRRHMEASLQ
ELKASPRMVPRAVYLPNCDRKGFYKRKQCKPSRGR
KRGICWCVDKYGMKLPGMEYVDGDFQCHTFDSSNV
E

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	P24593
GeneID	3488
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 28.6 kDa, a single non-glycosylated polypeptide chain containing 252 amino acids.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by its ability to inhibit IGF-II induced proliferation of MCF-7 cells is less than 0.4 µg/ml, corresponding to a specific activity of > 2500 IU/mg in the

	presence of 15 ng/ml of rHuIGF-II.
Physical Appearance	Sterile Filtered White Lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 10 mM Sodium Citrate, pH 3.0.
Endotoxin	Less than 0.1 EU/µg of rHuIGF-BP5 as determined by LAL method.