

Recombinant Human IGFBP-5 (C-6His)

Catalog # EPT001

Expression Host Human Cells

DESCRIPTION Recombinant Human Insulin-Like Growth

Factor-Binding Protein 5 is produced by our

Mammalian expression system and the target gene

encoding Leu21-Glu272 is expressed with a 6His tag at

the C-terminus.

Accession P24593

Synonyms Insulin-Like Growth Factor-Binding Protein 5; IBP-5;

IGF-Binding Protein 5; IGFBP-5; IGFBP5; IBP5

Mol Mass 29.61 KDa

AP Mol Mass 30-40 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of 20mM

PB, 150mM NaCl, pH 7.4.



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RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 $^{\circ}$ 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.

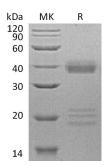
BACKGROUND

Insulin-Like Growth Factor-Binding Protein 5 (IGFBP-5) is a secreted protein that belongs to the insulin-like growth factor (IGF) binding proteins superfamily. Members of this family prolong the half-life of the IGFs. They have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on





cell culture. They alter the interaction of IGFs with their cell surface receptors. IGFBP-5 contains one IGFBP N-terminal domain and one thyroglobulin type-1 domain. IGFBP-5 is expressed by fibroblasts, myoblasts and Osteosarcoma. It is also present at lower levels in liver, kidney, and brain.



SDS-PAGE

