Recombinant Rat Insulin-Like Growth Factor Binding Protein 5

Cat. No. Igfbp5-1416R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Insulin-like Growth Factor Binding Protein-5 (rIGFBP-5) produced in*E.coli*is a 252 amino acid protein.MW =29 kDa.
Species	Rat
Source	E.coli
Description	Igfbp5 is one of the six "classical" IGF binding proteins that play an important role in stabilizing and regulating the activity of IGFs in vivo. Rat IGFBP-5 preferentially binds IGF-II and it also binds with high affinity to extracellular matrix components which protect it from proteolysis. Like human IGFBP-5, rat IGFBP-5 has a nuclear targeting sequence.
Purity	> 90% (by SDS PAGE).
Biological Activity	Binds 125I-IGF-I in western ligand blot. Binding affinity for IGF-I - 0.2nM (Biosensor).
State And Appearance	Lyophilized white powder dried from phosphate buffered saline and stored under dry nitrogen at a slight vacuum (-25 kPa).
Storage/Stability	At least 2 years at 2 - 4°C (lyophilized).

GENE INFORMATION

Gene Name	Igfbp5 insulin-like growth factor binding protein 5 [Rattus norvegicus]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	insulin-like growth factor binding protein 5; IGF-BP5; Igfbp5; insulin-like growth factor-binding protein 5
Gene ID	25285
mRNA Refseq	NM_012817
Protein Refseq	NP_036949
UniProt ID	P24594
Chromosome Location	9q33
Function	insulin-like growth factor I binding; insulin-like growth factor binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA