

Human FGFBP3 Protein (His Tag)

Catalog Number: 10986-H08B



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

C10orf13, FGFBP3

Protein Construction:

A DNA sequence encoding the human FGFBP3 (Met 1-Gly 258) (Q8TAT2) was expressed, with a C-terminal polyhistidine tag.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 87 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Arg 27

Molecular Mass:

The secreted recombinant human FGFBP3 consists of 243 amino acids and predicts a molecular mass of 26.4 KDa. The apparent molecular mass of the protein is approximately 33 Kda in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 7.4

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

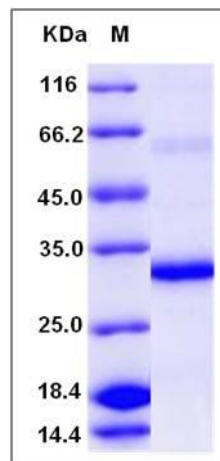
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

FGFBP3 is a member of the fibroblast growth factor-binding protein family. Fibroblast growth factors (FGFs) play an important role in the regulation of cell migration, proliferation and differentiation. The fibroblast growth factor-binding protein (FGF-BP) binds and activates FGF-1 and FGF-2, thereby contributing to tumor angiogenesis. After injury to murine and human skin, the expression of FGF-BP is increased, especially in keratinocytes. It is generally thought that this upregulation is achieved by major keratinocyte mitogens present at the wound site. FGFBP3 is a protein that exhibits fibroblast growth factor binding (orthology) and heparin binding (orthology). It is found that FGFBP3 is a positive regulator of fibroblast growth factor receptor signaling pathway and vascular permeability. It interacts with 2,3,7,8-tetrachlorodibenzodioxine, benzopyrene and valproic acid.

References

1. Abuharbeid S. et al., 2006, Int J Biochem Cell Biol. 38 (9): 1463-8.
2. Lange LG. et al., 1976, Biochemistry. 15 (21): 4687-93.
3. Czubayko F. et al., 1997, Nat Med. 3 (10): 1137-40.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>