Human FGF6 / FGF-6 Protein

Catalog Number: **11528-HNAE**

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

HBGF-6; HST2

Protein Construction:

A DNA sequence encoding the mature form of human FGF6 (Gly41-Ile208) was expressed with a N-terminal Met.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED_{50} for this effect is typically 1-6 ng/mL.

Endotoxin:

Please contact us for more information.

Stability:

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

Predicted N terminal: Met

Molecular Mass:

The recombinant human FGF6 consists of 169 amino acids and predicts a molecular mass of 18.9 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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:

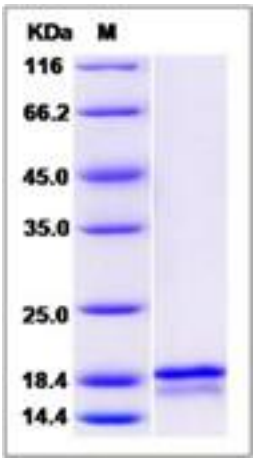
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

FGF6, also known as FGF-6, belongs to the fibroblast growth factor (FGF) family. Members of this family possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF6 plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis. It is also required for normal muscle regeneration. FGF6 gene displayed oncogenic transforming activity when transfected into mammalian cells.

References

1.Marics I, *et al.* (1989) Characterization of the HST-related FGF.6 gene, a new member of the fibroblast growth factor gene family. Oncogene. 4(3):335-40. 2.Coulier F, *et al.* (1991) Putative structure of the FGF6 gene product and role of the signal peptide. Oncogene. 6(8):1437-44. 3.Iida S, *et al.* (1992) Human hst-2 (FGF-6) oncogene: cDNA cloning and characterization. Oncogene. 7(2):303-9.