

Canine FGF12 Protein

Catalog Number: 70100-DNAE



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

FGF12

Protein Construction:

A DNA sequence encoding the canine FGF12 (Glu2-Thr181) was expressed with a N-terminal Met.

Source: Canine

Expression Host: E. coli

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

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

Predicted N terminal: Met

Molecular Mass:

The recombinant canine FGF12 comprises 181 amino acids and has a predicted molecular mass of 20.4 kDa. The apparent molecular mass of the protein is approximately 20 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, 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.

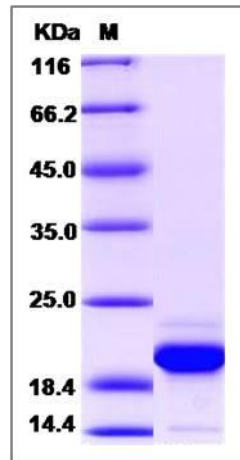
Usage Guide

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

FGF12 is a member of the fibroblast growth factor (FGF) family. FGF family members 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. FGF12 lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, FGF12 accumulated in the nucleus, but was not secreted. The specific function of FGF12 gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported.

References

1. Liu Y. et al., 1997, Cytogenet Cell Genet. 78 (1): 48-9.
2. Robertson NG. et al., 1995, Genomics. 23 (1): 42-50.
3. Smallwood PM. et al., 1996, Proc Natl Acad Sci. 93 (18): 9850-7.

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