

Human CFL2 / cofilin 2 / ADF Protein (His Tag)

Catalog Number: 11463-H07E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

NEM7

Protein Construction:

A DNA sequence encoding the human CFL2 (Q9Y281-1) (Ala 2-Leu 166) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 98 % 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 human CFL2 consisting of 180 amino acids and has a calculated molecular mass of 20.4 kDa. The apparent molecular mass of the protein is approximately 21 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.5

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:

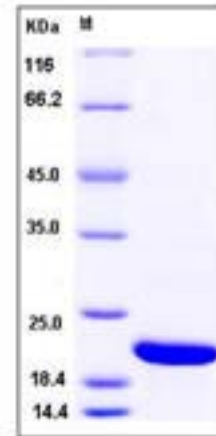
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Cofilin 2 (muscle), also known as CFL2, is a member of cofilin family of the actin-binding protein superfamily. Cofilin2 shows significant homology to the other two members: cofilin 1 and DSTN, through its entire sequence, and contains residues conserved among the cofilin family that are responsible for actin-binding. Cofilin 2 (CFL2) is an important regulator of striated myocyte function. Purified cofilin 2 depolymerized actin filaments in a dose- and pH-dependent manner and reduced the apparent viscosity of an actin solution, although they did not co-sediment with actin filaments at all. Cofilin2 is not expressed in vegetative cells, but is transiently induced during the aggregation stage of development, whereas cofilin 1 was predominantly expressed in vegetative cells.

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