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

Catalog Number: PKSH031115

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

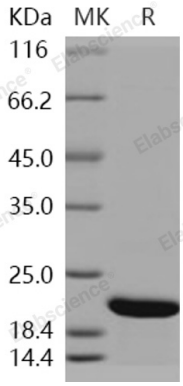
Description

Species	Human
Source	E.coli-derived Human CFL2/cofilin 2/ADF protein Ala 2-Leu 166, with an N-terminal His
Calculated MW	20.4 kDa
Observed MW	21 kDa
Accession	Q9Y281-1
Bio-activity	Not validated for activity

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.5 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

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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