



Product Datasheet

Product Name	Cofilin-1 Human Recombinant
Cata No	CB501448
Source	<i>Escherichia Coli</i> .
Synonyms	CFL-1, CFL1, Cofilin1, Cofilin-1, Cofilin, non-muscle isoform, 18 kDa phosphoprotein, p18.

Description

Cofilin is a family of actin-binding proteins which disassembles actin filaments. It is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.

Cofilin1 Human Recombinant (1-166 a.a.) fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing a total of 186 amino acids and having a molecular mass of 20 kDa.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

The protein solution contains 20mM Tris pH-8 and 10% glycerol.

Stability

Cofilin-1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MGSSHHHHHH SSGLVPRGSH MASGVAVSDG
VIKVFNDMKV RKSSTPEEVK
KRKKAVLFCLSEDKKNILE EGKEILVGDV
GQTVDDPYAT FVKMLPDKDC RYALYDATYE
TKESKKEDLVFIFWAPESAP LKSKMIYASS
KDAIKKLTG IKHELQANCY EEVKDRCTLA
EKLGGSAVIS LEGKPL.