Recombinant Human CFL1 Protein (M1-L166), Tag Free

Cat. No. CFL1-0151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-CFL1(M1-L166 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-L166
Description	Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity. In conjunction with the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics. Required for the centralization of the mitotic spindle and symmetric division of zygotes. Plays a role in the regulation of cell morphology and cytoskeletal organization in epithelial cells. Required for the up-regulation of atypical chemokine receptor ACKR2 from endosomal compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation. Required for neural tube morphogenesis and neural crest cell migration.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	85%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH 7.5), 200 mM NaCl, 1mM DTT, 20% glycerol.
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	CFL1 cofilin 1 (non-muscle) [Homo sapiens (human)]
Official Symbol	CFL1
Synonyms	CFL1; cofilin 1 (non-muscle); CFL; cofilin-1; p18; 18 kDa phosphoprotein; cofilin, non-muscle isoform;
Gene ID	1072
mRNA Refseq	NM_005507
Protein Refseq	NP_005498
MIM	601442
UniProt ID	P23528

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