CFL1/CFL2 (Human) Cell-Based ELISA Kit

Catalog # KA2685 Size 1 Kit

Specification

Product Description	CFL1/CFL2 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CFL1/CFL2 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — CFL1

Entrez GeneID	1072
Protein Accession#	P23528 (Gene ID : 1073);Q9Y281 (Gene ID : 1072)
Gene Name	CFL1
Gene Alias	CFL
Gene Description	cofilin 1 (non-muscle)

Omim ID	601442
Gene Ontology	Hyperlink
Gene Summary	Cofilin 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.[supplied by OMIM
Other Designations	-

Gene Info — CFL2

Entrez GeneID	1073
Protein Accession#	P23528 (Gene ID : 1073);Q9Y281 (Gene ID : 1072)
Gene Name	CFL2
Gene Alias	NEM7
Gene Description	cofilin 2 (muscle)
Omim ID	601443 610687
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. This protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	cofilin 2

Pathway

- Axon guidance
- Axon guidance
- Fc gamma R-mediated phagocytosis
- Fc gamma R-mediated phagocytosis
- Regulation of actin cytoskeleton

- Regulation of actin cytoskeleton

Disease

- Spinal Dysraphism