

RP02986LQ

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# Recombinant Human Ezrin/EZR Protein

Catalog No.: RP02986LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	7430	P15311

**Tags**  
No tag

**Synonyms**  
Ezrin; Cytovillin; Villin-2; p81; EZR; VIL2

## Product Information

Source	Purification
<i>E. coli</i>	≥ 95 % as determined by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Supplied as a 0.2 μm filtered solution of 10mM HEPES, pH 7.4.

### Reconstitution

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

Ezrin is expressed in cerebral cortex, basal ganglia, hippocampus, hypophysis, and optic nerve. The N-terminus of ezrin contains a FERM domain which is further subdivided into three subdomains. The C-terminus contain a ERM domain. As a member of the ERM protein family, Ezrin serves as an intermediate between the plasma membrane and the actin cytoskeleton. It plays a key role in cell surface structure adhesion, migration, and organization. Ezrin probably involved in connections of major cytoskeletal structures to the plasma membrane. The N-terminal FERM domain strongly binds sodium-hydrogen exchanger regulatory factor (NHERF) proteins (involving long-range allostery). The C-terminal binds to actin, phosphatidylinositol bis-phosphate (PIP2) and membrane proteins like CD44 and ICAM-2. In epithelial cells, Ezrin is required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, Ezrin is required for normal macropinocytosis.

## Basic Information

### Description

Recombinant Human Ezrin/EZR Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu586) of human Ezrin/EZR (Accession #NP\_001104547.1) fused with no additional amino acid.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

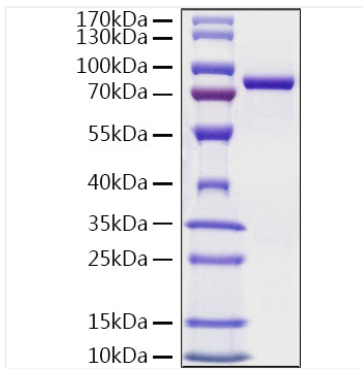
### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

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## Validation Data

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Recombinant Human Ezrin/EZR Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.