

# Human EZR / VIL2 / Ezrin Protein (His Tag)



Sino Biological  
Biological Solution Specialist

Catalog Number: 12858-H07E

## General Information

### Gene Name Synonym:

CVIL; CVL; HEL-S-105; VIL2

### Protein Construction:

A DNA sequence encoding the mature form of human EZR (P15311) (Pro2-Leu586) was expressed with a polyhistidine tag at the N-terminus.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 60 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** His

### Molecular Mass:

The recombinant human EZR consists of 601 amino acids and predicts a molecular mass of 71.2 KDa. It migrates as an approximately 82 KDa band in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile PBS 100mM Arg 10% glycerol, 0.1% Twen 20, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

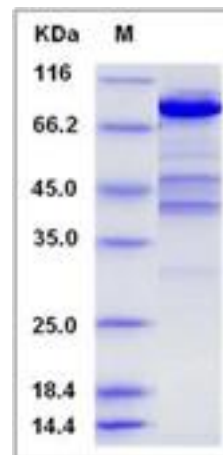
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

VIL2, also known as villin-2, belongs to the ERM protein family. It is expressed in cerebral cortex, basal ganglia, hippocampus, hypophysis, and optic nerve. VIL2 contains 1 FERM domain and may be involved in connections of major cytoskel

## References

- 1.Grnholm M, *et al.* (1999) Homotypic and heterotypic interaction of the neurofibromatosis 2 tumor suppressor protein merlin and the ERM protein ezrin. J Cell Sci. 112(6):895-904.
- 2.Sitaraman, *et al.* (2002) The adenosine 2b receptor is recruited to the plasma membrane and associates with E3KARP and Ezrin upon agonist stimulation. J Biol Chem. 277(36):33188-95.
- 3.Gould KL, *et al.* (1989) cDNA cloning and sequencing of the protein-tyrosine kinase substrate, ezrin, reveals homology to band 4.1. EMBO J. 8(13):4133-42.

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