

Recombinant Human Ezrin, His-tagged

Cat. No. EZR-516H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human Ezrin, encoding the mature form of human EZR(Pro2-Leu586) was expressed with a his tag at the N-terminus. |
| Species | Human |
| Source | E.coli |
| Protein Length | 2-586 a.a. |
| Description | The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene. |
| 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. |
| Predicted N terminal | His |
| Formulation | Lyophilized from a 0.2µm filtered solution of PBS 100mM Arg 10% glycerol, 0.1%Twen 20, pH 7.5. |

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Purity Greater than 60% as determined by SDS-PAGE

Stability Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name EZR ezrin [Homo sapiens]

Official Symbol EZR

Synonyms EZR; ezrin; VIL2, villin 2 (ezrin); cytovillin 2 CVL; CVIL; ezrin; p81; villin-2; cytovillin 2

Gene ID 7430

mRNA Refseq NM_001111077

Protein Refseq NP_001104547

MIM 123900

UniProt ID P15311

Chromosome Location 6q25.3

Pathway Axon guidance; Developmental Biology; Gastric acid secretion

Function actin filament binding; cell adhesion molecule binding ; protein binding

PDB rendering based on 1ni2.

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