Recombinant Human Ezrin, His-tagged

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

SPECIFICATION

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
ProteinLength	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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