

Recombinant Human EZR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EZR-1884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EZR MS Standard C13 and N15-labeled recombinant protein (NP_003370) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	69.4 kDa
AA Sequence	MPKPINVRVTTMDAELEFAIQPNTTGKQLFDQVVKTIGLREVWYFGLHYVDNKGFP WLKLDKKVSAQEVVRKENPLQFKFRAKFYPEDVAEELIQDITQKLFFLQVKEGILSDEIY CPPETAVLLGSYAVQAKFGDYNKEVHKSGYLSSERLIPQRVMDQHKLTRDQWEDRI QVWHAEHARGMLKDNAMLEYLKIAQDLEMYGINYFEIKNKKGTDLWLGVDALGLNIYE KDDKLTPKIGFPWSEIRNISFNDKKFVIKPIDKKAPDFVFYAPRLRINKRILQLCMGNH ELYMRRRKPDITIEVQQMKAQAREEKHQKQLERQQLETEKKRRETVEREKEQMMRE

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KEELMLRLQDYEEKTKKAERELSEQIQRALQLEEEERKRAQEEAERLEADRMAALRA
 KEELERQAVDQIKSQEQLAAELAEYTAKIALLEEARRRKEDEVEEWQHRAKEAQDDL
 VKTKEELHLVMTAPPPPPPPVYEPVSYHVQESLQDEGAEPTGYSAELSSEGIRDDR
 NEEKRITEAEKNERVQRQLLTLSSLSQARDENKRTHNDIIHNENMRQGRDKYKTLR
 QIRQGNTKQRIDEFEALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EZR ezrin [*Homo sapiens* (human)]

Official Symbol EZR

Synonyms EZR; ezrin; VIL2, villin 2 (ezrin); cytovillin 2; p81; villin-2; villin 2 (ezrin); CVL; CVIL; VIL2; MGC1584; FLJ26216; DKFZp762H157;

Gene ID 7430

mRNA Refseq NM_003379

Protein Refseq NP_003370

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MIM	123900
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UniProt ID	P15311
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