

Product datasheet for **SC320852**

Ezrin (EZR) (NM_003379) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ezrin (EZR) (NM_003379) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ezrin
Synonyms:	CVIL; CVL; HEL-S-105; VIL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003379.3
CGCGGCAGGAGGACGAGGCAGGGCGGGCGCTCTAAGGGTTCTGCTCTGACTCCAGG
TTGGGACAGCGTCTTCGCTGCTGCTGGATAGTCGTGTTTTCGGGGATCGAGGATACTCAC
CAGAAACCGAAAAATGCCGAAACCAATCAATGTCCGAGTTACCACCATGGATGCAGAGCTG
GAGTTTGAATCCAGCCAATACAACCTGAAAAACAGCTTTTTGATCAGGTGGTAAAGACT
ATCGGCCCTCCGGGAAGTGTGGTACTTTGGCCTCCACTATGTGGATAATAAAGGATTTCT
ACCTGGCTGAAGCTGGATAAGAAGGTGTCTGCCAGGAGGTCAGGAAGGAGAATCCCTC
CAGTTCAAGTTCGGGCCAAGTTCTACCCTGAAGATGTGGCTGAGGAGCTCATCCAGGAC
ATCACCCAGAACTTTTCTTCCCAAGTGAAGGAAGGAATCCTTAGCGATGAGATCTAC
TGCCCCCTGAGACTGCCGTGCTCTTGGGGTCTACGCTGTGCAGGCCAAGTTGGGGAC
TACAACAAGAAGTGCACAAGTCTGGGTACCTCAGCTCTGAGCGGCTGATCCCTCAAAGA
GTGATGGACCAGCACAACTTACCAGGGACCAGTGGGAGGACCGGATCCAGGTGTGGCAT
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GACCTGGAAATGTATGGAATCAACTATTTTCGAGATAAAAAACAAGAAAGGAACAGACCTT
TGGCTTGGAGTTGATGCCCTTGGACTGAATATTTATGAGAAAGATGATAAGTTAACCCCA
AAGATTGGCTTTCCTTGGAGTGAATCAGGAACATCTCTTTCAATGACAAAAAGTTTGTG
ATTAACCCATCGACAAGAAGGCACCTGACTTTGTGTTTTATGCCCCACGTCTGAGAATC
AACAGCGGATCCTGCAGCTCTGCATGGGCAACCATGAGTTGTATATGCGCCGCAGGAAG
CCTGACACCATCGAGGTGCAGCAGATGAAGGCCAGGCCCGGGAGGAGAAGCATCAGAAG
CAGCTGGAGCGGCAACAGCTGGAACAGAGAAGAAAAGGAGAGAAAACCGTGGAGAGAGAG
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AAGACAAAGAAGGCAGAGAGAGACTCTCGGAGCAGATTCAGAGGGCCCTGCAGCTGGAG
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CTGCGGGCTAAGGAGGAGCTGGAGAGACAGGCGGTGGATCAGATAAAGAGCCAGGAGCAG
CTGGCTGCGGAGCTTGCAGAATACTGCAAGATTGCCCTCCTGGAAGAGGCGCGGAGG
CGCAAGGAGGATGAAGTTGAAGAGTGGCAGCACAGGGCCAAAGAAGCCAGGATGACCTG
GTGAAGACCAAGGAGGAGCTGCACCTGGTATGACAGCACCCCGCCACCACCCCC



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GTGTACGAGCCGGTGAGCTACCATGTCCAGGAGAGCTTGCAAGATGAGGGCGCAGAGCCC
ACGGGCTACAGCGCGGAGCTGTCTAGTGAGGGCATCCGGGATGACCGCAATGAGGAGAAG
CGCATCACTGAGGCAGAGAAGAACGAGCGTGTGCAGCGGCAGCTGCTGACGCTGAGCAGC
GAGCTGTCCCAGGCCGAGATGAGAATAAGAGGACCCACAATGACATCATCCACAACGAG
AACATGAGGCAAGGCCGGGACAAGTACAAGACGCTGCGGCAGATCCGGCAGGGCAACACC
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GGAATCCCTCAGATCCCAGTTCCTTTAGAAAGCAGTTACCCAACAGAAACATTCTGGGC
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GATGCCATGTGCAGTGGATTCCATGCCGAGACATGAAATAAAAGCTTTGCAAAGGCAC
GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

Please inquire

ACCN:

NM_003379

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003379.3 , NP_003370.2
RefSeq Size:	3166 bp
RefSeq ORF:	1761 bp
Locus ID:	7430
UniProt ID:	P15311
Cytogenetics:	6q25.3
Domains:	B41, ERM
Protein Families:	Druggable Genome
Protein Pathways:	Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Gene Summary:	<p>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. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>