

## Product datasheet for **SC332219**

### ERBIN (NM\_001253701) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ERBIN (NM\_001253701) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ERBIN  
**Synonyms:** ERBB2IP; HEL-S-78; LAP2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332219 representing NM\_001253701.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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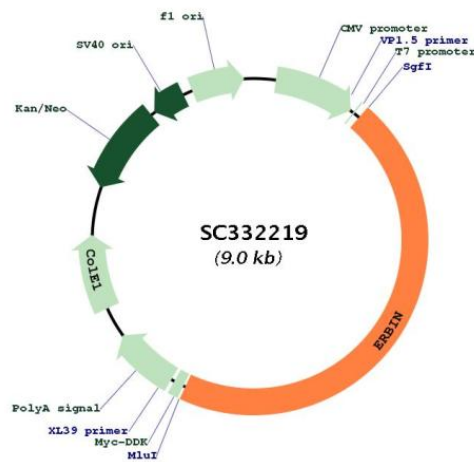
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001253701  |
| <b>Insert Size:</b>           | 4104 bp   |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <a href="#">NM_001253701.1</a>  |
| <b>RefSeq Size:</b>           | 6907 bp   |
| <b>RefSeq ORF:</b>            | 4104 bp   |
| <b>Locus ID:</b>              | 55914   |
| <b>UniProt ID:</b>            | <a href="#">Q96RT1</a>  |
| <b>Cytogenetics:</b>          | 5q12.3  |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Protein Pathways:</b>      | NOD-like receptor signaling pathway   |
| <b>MW:</b>                    | 153.5 kDa   |
| <b>Gene Summary:</b>          | <p>This gene is a member of the leucine-rich repeat and PDZ domain (LAP) family. The encoded protein contains 17 leucine-rich repeats and one PDZ domain. It binds to the unphosphorylated form of the ERBB2 protein and regulates ERBB2 function and localization. It has also been shown to affect the Ras signaling pathway by disrupting Ras-Raf interaction. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (9) uses an alternate splice site and lacks an exon in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (9) is shorter than isoform 1.</p> |