# antibodies - online.com







## LACE1 Protein (Myc-DYKDDDDK Tag)



### Image



| -  |   |   |    |   |    |   |
|----|---|---|----|---|----|---|
| () | V | 0 | rv | 1 | е. | W |

| 20 μg                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LACE1                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HEK-293 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| This LACE1 protein is labelled with Myc-DYKDDDDK Tag.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Antibody Production (AbP), Standard (STD)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul> <li>Recombinant human LACE1 protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>                                                                                                                                                                                                                                                                                                                                                   |
| > 80 % as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LACE1                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lace1 (LACE1 Products)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| This gene encodes a mitochondrial integral membrane protein that plays a role in mitochondrial protein homeostasis. The protein contains a P-loop motif and a five-domain structure that is conserved in fly, yeast, and bacteria. It functions to mediate the degradation of nuclear-encoded complex IV subunits. Two conserved estrogen receptor binding sites are located within 2.5 kb of this gene. Polymorphisms in this gene have been associated with bipolar disorder. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### **Target Details**

|                   | Alternative splicing results in multiple transcript variants. |
|-------------------|---------------------------------------------------------------|
| Molecular Weight: | 54.7 kDa                                                      |
| NCBI Accession:   | NP_660358                                                     |

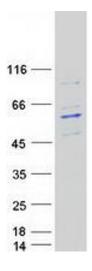
## **Application Details**

| Application Notes: | Recombinant human proteins can be used for:          |
|--------------------|------------------------------------------------------|
|                    | Native antigens for optimized antibody production    |
|                    | Positive controls in ELISA and other antibody assays |
| Comment:           | The tag is located at the C-terminal.                |
| Restrictions:      | For Research Use only                                |

### Handling

| Concentration:   | 50 μg/mL                                                                                                                                          |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer:          | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.                                                                                            |
| Storage:         | -80 °C                                                                                                                                            |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

#### **Images**



#### **Western Blotting**

Image 1. Validation with Western Blot