

## Recombinant Mouse Esyt1 Protein, Myc/DDK-tagged

**Cat. No.** Esyt1-2876M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length extended synaptotagmin-like protein 1 (Esy1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport. Binds calcium (via the C2 domains) and translocates to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels. Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane. |
| <b>Molecular Mass</b>   | 122 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                      |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Esyt1 extended synaptotagmin-like protein 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Esyt1](#)

**Synonyms** Esyt1; extended synaptotagmin-like protein 1; vp1; Fam6; Mbc2; vp115; Fam62a; extended synaptotagmin-1; E-Syt1; family with sequence similarity 62 (C2 domain containing), member A; membrane-bound C2 domain-containing protein

**Gene ID** [23943](#)

**mRNA Refseq** [NM\\_011843](#)

**Protein Refseq** [NP\\_035973](#)

**UniProt ID** [Q3U7R1](#)

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