

## Product datasheet for TP506024

### Syt5 (NM\_016908) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse synaptotagmin V (Syt5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug   |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR206024 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | MFPEPPTLGSPAPKTPPDSSRIRQGAVPAWVLATIVLGSGLLVFSSCFCLYRKRRCRRRMGKKSQAQAQVH<br>LQEVKELGRSYIDKVQPEIEELDRSPSPMGQQVSDKHQLGRLQYSLDYDFQTGQLLVGILQAQGLAALDL<br>GGSSDPYVSVYLLPDKRRRHETKVHRQTLNPHFGETFAFKVPYVELGGRVLMMAVYDFDRFSRND AIGEV<br>RVPMSNVNLRPVQAWRELQVAPKEEQEKLGDICFSRLRYVPTAGKLTIVIVLEAKNLKMKMDVGGLSDPYVK<br>VHLLQGGKKVRKKKTTIKKNTLNPYYNEAFSFEVPCDQVQKVQVELTVLDYDKLGKNEAIGRVAVGA AVG<br>GAGLRHWADMLANPRRPIAQWHSRPPDRARPIAP |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>  |
| Tag:                                  | C-MYC/DDK   |
| Predicted MW:                         | 43.1 kDa  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| Storage:                              | Store at -80°C after receiving vials.   |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| Locus ID:                             | 53420   |
| UniProt ID:                           | <a href="#">Q9R0N5</a>  |
| RefSeq Size:                          | 1764  |



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Cytogenetics: 7 A1

RefSeq ORF: 1161

Synonyms: SytV

**Summary:** May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface.[UniProtKB/Swiss-Prot Function]