

# Recombinant Mouse Ywhah Protein, His-tagged

**Cat. No.** Ywhah-140M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Ywhah fused with His tag at N-terminal was expressed in Insect cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 14-3-3 eta (also known as tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, eta polypeptide) plays a key role in tissue differentiation in neural development and in early mesenchyme. The 14-3-3 eta protein belongs to family of acidic proteins present exclusively in the brain and is believed to have a function in monoamine biosynthesis. 14-3-3 eta protein regulates human tyrosine hydroxylase type 1 (hTH1) stability by acting on the N-terminus. 14-3-3 eta can bind to parkin, which encodes an E3 ubiquitin-protein ligase, in the linker region and negatively regulate its ubiquitin ligase activity. |
| <b>Form</b>             | 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 33 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>     | 1 year at -70 centigrade from date of shipment.                                                                                                                                                                                                 |
| <b>Storage</b>       | Store product at –70centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| <b>Concentration</b> | 1 ug/ml                                                                                                                                                                                                                                         |

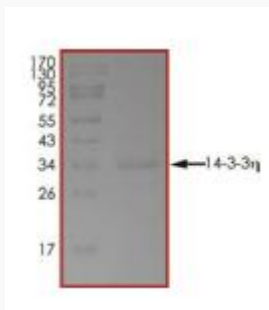
## GENE INFORMATION

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ywhah tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [ <i>Mus musculus</i> ]           |
| <b>Official Symbol</b> | <a href="#">Ywhah</a>                                                                                                           |
| <b>Synonyms</b>        | YWHAH; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide; 14-3-3 protein eta; 14-3-3 eta; |
| <b>Gene ID</b>         | <a href="#">22629</a>                                                                                                           |
| <b>mRNA Refseq</b>     | <a href="#">NM_011738</a>                                                                                                       |
| <b>Protein Refseq</b>  | <a href="#">NP_035868</a>                                                                                                       |
| <b>UniProt ID</b>      | <a href="#">P68510</a>                                                                                                          |

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