

## Recombinant Mouse Vax1 Protein, Myc/DDK-tagged

**Cat. No.** Vax1-6907M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length ventral anterior homeobox 1 (Vax1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a member of the EMX homeobox protein family. The encoded protein functions as a transcription factor which is important in the development of anterior ventral forebrain and visual system. Disruption of this gene causes impairment in the developing forebrain, where the encoded protein is necessary for axon guidance and major tract formation. [provided by RefSeq, Dec 2015] |
| <b>Molecular Mass</b>   | 35.6 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                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                   |

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## GENE INFORMATION

|                 |                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| Gene Name       | Vax1 ventral anterior homeobox 1 [ Mus musculus (house mouse) ]                                             |
| Official Symbol | Vax1                                                                                                        |
| Synonyms        | Vax1; ventral anterior homeobox 1; ventral anterior homeobox 1; ventral anterior homeobox containing gene 1 |
| Gene ID         | 22326                                                                                                       |
| mRNA Refseq     | NM_009501                                                                                                   |
| Protein Refseq  | NP_033527                                                                                                   |
| UniProt ID      | Q2NKI2                                                                                                      |

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