

## Recombinant Mouse Vti1a Protein, Myc/DDK-tagged

**Cat. No.** Vti1a-6955M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse vesicle transport through interaction with t-SNAREs 1A (Vti1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | V-SNARE that mediates vesicle transport pathways through interactions with t-SNAREs on the target membrane. These interactions are proposed to mediate aspects of the specificity of vesicle trafficking and to promote fusion of the lipid bilayers. Involved in vesicular transport from the late endosomes to the trans-Golgi network. Along with VAMP7, involved in an non-conventional RAB1-dependent traffic route to the cell surface used by KCNIP1 and KCND2. May be concerned with increased secretion of cytokines associated with cellular senescence. |
| <b>Molecular Mass</b>   | 25 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** Vti1a vesicle transport through interaction with t-SNAREs 1A [ Mus musculus (house mouse) ]

**Official Symbol** Vti1a

**Synonyms** VTI1A; vesicle transport through interaction with t-SNAREs homolog 1A (yeast); vesicle transport through interaction with t-SNAREs homolog 1A; vesicle transport v-SNARE protein Vti1-like 2; vesicle transport through interaction with t-SNAREs 1 homolog; Vti1; MVti1; MVti1a; Vti1-rp2; 1110014F16Rik; 1110018K19Rik; 4921537J05Rik; MGC102006

**Gene ID** 53611

**mRNA Refseq** NM\_016862

**Protein Refseq** NP\_058558

**UniProt ID** O89116

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