# Recombinant Mouse Vps26b Protein, Myc/DDK-tagged

**Cat. No.** Vps26b-6933M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of Mouse VPS26 retromer complex component B (Vps26b), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | Acts as component of the retromer cargo-selective complex (CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde transport of WLS distinct from the SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5. May be involved in retrograde transport of SORT1 but not of IGF2R. Acts redundantly with VSP26A in SNX-27 mediated endocytic recycling of SLC2A1/GLUT1. |
| **Molecular Mass** | 39.1 kDa |

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| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade after receiving vials. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

## GENE INFORMATION

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| **Gene Name** | Vps26b VPS26 retromer complex component B [ Mus musculus (house mouse) ] |
| **Official Symbol** | Vps26b |
| **Synonyms** | VPS26B; vacuolar protein sorting 26 homolog B (yeast); vacuolar protein sorting-associated protein 26B; vesicle protein sorting 26B; AI848392; 1810012I05Rik; 2310075A12Rik |
| **Gene ID** | 69091 |
| **mRNA Refseq** | NM_178027 |
| **Protein Refseq** | NP_821170 |
| **UniProt ID** | Q8C0E2 |

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