

# Recombinant Mouse Pirb Protein (Gly24-Gly635), C-6×His-tagged

## Product Information

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| <b>Cat</b>                  | <i>IMP-9739</i>   |
| <b>Official Symbol</b>      | <i>Pirb</i>   |
| <b>Product Overview</b>     | <i>Recombinant Mouse PIR-B protein (Gly24-Gly635) with a C-terminal 6×His tag was expressed in Mouse myeloma cell line.</i>   |
| <b>Description</b>          | <i>Enables amyloid-beta binding activity and protein homodimerization activity. Involved in learning or memory; regulation of protein metabolic process; and regulation of synaptic plasticity. Acts upstream of or within several processes, including B cell homeostasis; B cell mediated immunity; and myeloid dendritic cell differentiation. Predicted to be located in cytoplasm; external side of plasma membrane; and extracellular space. Predicted to be integral component of plasma membrane. Predicted to be active in plasma membrane. Is expressed in cerebral cortex; cerebral cortex subventricular zone; cerebral cortex ventricular layer; and ganglionic eminence. Orthologous to several human genes including LILRB5 (leukocyte immunoglobulin like receptor B5).</i> |
| <b>Expression System</b>    | <i>Mouse myeloma cell line</i>  |
| <b>Species</b>              | <i>Mouse</i>  |
| <b>Tag</b>                  | <i>C-6×His</i>  |
| <b>Predicted N Terminal</b> | <i>Gly24</i>  |
| <b>Form</b>                 | <i>Lyophilized from a 0.2 µm filtered solution in PBS with trehalose.</i>   |
| <b>Molecular Mass</b>       | <i>Predicted Molecular Mass: 69 kDa SDS-PAGE: 85-95 kDa, reducing conditions</i>  |
| <b>Protein length</b>       | <i>Gly24-Gly635</i>   |
| <b>Bio-activity</b>         | <i>Measured by its binding ability in a functional ELISA. When biotinylated recombinant rat MAG/Siglec-4a Fc Chimera is captured on Streptavidin coated plate, Recombinant Mouse PIR-B binds with an apparent Kd &lt; 100 nM.</i>   |
| <b>Endotoxin</b>            |   |
| <b>Purity</b>               | <i>&gt;95%, by SDS-PAGE under reducing conditions and visualized by silver stain.</i>   |
| <b>Storage</b>              | <i>Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to</i>  |

*-70 centigrade under sterile conditions after reconstitution.*

*Reconstitute at 250 µg/mL in sterile PBS.*

**Reconstitution**