**Product Name: Recombinant Mouse VSIG4 (C-6His)**
**Catalog #: PHM1826**

## Summary

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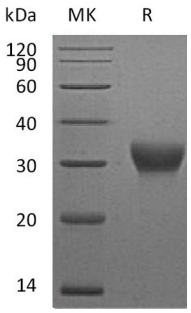
|---|---|
| **Name** | VSIG4 |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Mouse V-Set And Ig Domain-Containing Protein 4 is produced by our Mammalian expression system and the target gene encoding His20-Pro187 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | F6TUL9 |
| **Host** | Human Cells |
| **Species** | Mouse |
| **Predicted Molecular Mass** | 19.7 KDa |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image




## Background

**Product Name: Recombinant Mouse VSIG4 (C-6His)**
**Catalog #: PHM1826**

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|---|---|
| **Alternative Names** | Vsig4;V-set and immunoglobulin domain containing 4; |
| **Background** | V-set and immunoglobulin domain containing 4 (VSIG4) is a type I transmembrane glycoprotein that is a B7 family-related protein and an Ig superfamily member. Mouse VSIG4 is synthesized as a 280 amino acid (aa) precursor that contains a signal sequence, an IgV-type immunological domain (aa 36-115),one potential N-linked glycosylation site, and a single transmembrane domain. The IgV domain of mouse VSIG4 shares 86% and 80% aa sequence identity with the IgV domains of rat and human VSIG4, respectively. VSIG4 functions as a negative regulator of mouse as well as human T cell activation, and may be involved in the maintenance of peripheral T cell tolerance and/or unresponsiveness. VSIG4 acts as a macrophage complement receptor by binding complement fragments C3b and iC3b. VSIG4 binding to C3b inhibits complement activation through the alternative pathway, making it a potent suppressor of established inflammation. |

## Note

For Research Use Only , Not for Diagnostic Use.