

Product datasheet for **TP724603**

Vsig4 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse VSIG4 (C-His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	His20-Pro187
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	278180
UniProt ID:	<u>F6TUL9</u>
Synonyms:	Vsig4; V-set and immunoglobulin domain containing 4
Summary:	V-set and immunoglobulin domain containing 4, also known as VSIG4, is a type I transmembrane glycoprotein that belongs to Ig superfamily and is a B7 family-related protein. The IgV domain of mouse VSIG4 shares 86% and 80% aa sequence identity with the IgV domains of rat and human VSIG4, respectively. VSIG4 is exclusively expressed on tissue resident macrophages and binds to multimers of C3b and iC3b that are covalently attached to particle surfaces, while no VSIG4 appears to be present in T and B cells. VSIG4 plays a role as a negative regulator of mouse/human T cell activation, and may be involved in the maintenance of peripheral T cell tolerance and/or unresponsiveness. VSIG4 also functions as a macrophage complement receptor by binding complement fragments C3b and iC3b. VSIG4 may be involved in the maintenance of peripheral T cell tolerance, and is also identified as a potent suppressor of established inflammation.


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