

Product datasheet for **TP727654**

Vsir Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Mouse Platelet Receptor Gi24/VISTA/B7-H5 (C-6His) |
| Species: | Mouse |
| Expression cDNA Clone or AA Sequence: | Phe33-Ala191 |
| Tag: | C-His |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Note: | Recombinant Mouse Platelet receptor Gi24 is produced by our Mammalian expression system and the target gene encoding Phe33-Ala191 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 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 74048 |
| UniProt ID: | Q9D659 |
| Summary: | Mouse Platelet receptor Gi24(VISTA) is a transmembrane glycoprotein with homology to B7like immune costimulatory molecules. Mature mouse Gi24 contains a 159 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane segment, and a 97 aa cytoplasmic domain. VISTA promotes both MT1-MMP expression and the MT1-MMP mediated activation of MMP-2. It supports the differentiation of embryonic stem cells (ESC) and enhances BMP-4 induced signaling in ESC, but it is also down-regulated following BMP-4 exposure. It binds to BMP-4 directly and also associates with the type I BMP receptor Activin RIB/ALK-4. It is expressed on the surface of na ⁺ ve CD4 ⁺ T cells and regulatory T cells. It is up-regulated in vivo on activated monocytes and dendritic cells. VISTA inhibits CD4 ⁺ and CD8 ⁺ T cell proliferation and their production of IL-2 and IFN- γ . Its expression on tumor cells attenuates the antitumor immune response and enables more rapid tumor progression. |


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