

Recombinant Mouse VISTA (C-6His)

Catalog No: CS06

Description	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.
Source	Derived from Human Cells
Alternative name	Platelet receptor Gi24; stress induced secreted protein 1; Dies1; VISTA; SISP1; B7-H5; PD- 1H;Gi24
Accession No.	Q9D659
Quality Control	Greater than 95% as determined by reducing SDS-PAGE.
Predicted Molecular Weight	18.6kDa
AP Molecular Weight	30-40 kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	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.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
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. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	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 naïve 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.

SDS-PAGE

