VISTA/B7-H5 Protein, Mouse (159a.a, HEK293, His)

Cat. No.:	HY-P72428
Synonyms:	V-type immunoglobulin domain-containing suppressor of T-cell activation; Vsir; Dies1; PD-1H; VISTA
Species:	Mouse
Source:	HEK293
Accession:	Q9D659 (F33-A191)
Gene ID:	74048
Molecular Weight:	30-40 kDa

PROPERTIES

AA Sequence	F K V T T P Y S L Y V C P E G Q N A T L T C R I L G P V S K G H D V T I Y K T W Y L S S R G E V Q M C K E H R P I R N F T L Q H L Q H H G S H L K A N A S H D Q P Q K H G L E L A S D H H G N F S I T L R N V T P R D S G L Y C C L V I E L K N H H P E Q R F Y G S M E L Q V Q A G K G S G S T C M A S N E Q D S D S I T A A
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	VISTA is a type I transmembrane protein that functions as an immune checkpoint. VISTA is a member of the B7 family and is mainly expressed in white blood cells, whose transcription is partially controlled by p53. VISTA can act as a ligand and receptor of T cells, inhibit T cell effector function, and maintain peripheral tolerance. VISTA promotes embryonic stem cell differentiation by inhibiting BMP4 signaling. VISTA stimulates MMP14 mediated MMP2 activation. VISTA is produced at high levels in tumor-infiltrating lymphocytes, and blocking VISTA with antibodies led to delayed tumor growth in mouse models of melanoma and squamous cell carcinoma. Increased VISTA levels were associated with increased immune activation and a decrease in CD4-positive T cells[1][2][3][4][5][6].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA