

## VISTA/B7-H5 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77879
Synonyms:	B7H5; B7-H5; VISTA; VSIR ; PD1H; PD-1H; 4632428N05Rik; C10orf54; Dies1; Gi24; PP2135; SISP1
Species:	Human
Source:	HEK293
Accession:	Q9H7M9 (F33-A194)
Gene ID:	64115
Molecular Weight:	70-80 kDa

### PROPERTIES

Biological Activity	Immobilized Human B7-H5, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-B7-H5 Antibody, hFc Tag with the EC <sub>50</sub> of 8.2 ng/ml determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
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/B7-H5 protein, functioning as an immunoregulatory receptor, plays a pivotal role in inhibiting the T-cell response, as established in various studies. Additionally, it may contribute to the differentiation of embryonic stem cells by inhibiting BMP4 signaling, showcasing its potential role in developmental processes. Moreover, VISTA/B7-H5 has been implicated in stimulating MMP14-mediated MMP2 activation, suggesting a regulatory function in matrix metalloproteinase-mediated processes. This multifaceted role underscores the significance of VISTA/B7-H5 in immune regulation, embryonic development, and extracellular matrix dynamics, revealing its potential impact across diverse biological contexts.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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