

## VTCN1

### Recombinant Human B7H4:Mouse Fc Chimera

<b>Catalog No.</b>	CRH029	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	B7-H4, B7H4, B7S1, B7X, B7h.5, PRO1291, VCTN1		
<b>Description:</b>	<p>B7-H4 is a B7 family member that negatively regulates T cell immunity by inhibiting of T cell proliferation, cytokine production, and cell cycle progression. In vitro, B7-H4 inhibits CD4+ and CD8+ T cell proliferation, cytokine production, and generation of alloreactive cytotoxic T-cells (CTLs). In vivo, blockade of endogenous B7-H4 by specific monoclonal antibody promotes T cell responses. B7-H4 ia an important negative regulator of innate immunity through growth inhibition of neutrophils. B7-H4 is expressed on some tumor cancer cells. The role of B7-H4 in tumor progression may be to transform precancerous cells and then protect them from immunosurveillance.</p> <p>The extracellular domain of human B7-H4 (aa 29-258) is fused to the N-terminus of the Fc region of mouse IgG2a.</p>		
<b>Gene ID:</b>	79679		
<b>Protein Accession No:</b>	NP_078902.2		
<b>Source:</b>	CHO cells		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution containing PBS.		
<b>Purity:</b>	≥98% (SDS-PAGE)		
<b>Endotoxin Level:</b>	<0.06 EU/µg purified protein as determined by LAL test (Lonza).		
<b>Biological Activity:</b>	Measured by the ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.		
<b>Reconstitution:</b>	Reconstitute with 100 µl (1 mg/ml) sterile water. Add 1X PBS to the desired protein concentration.		
<b>Storage &amp; Stability:</b>	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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