

Active Recombinant Rhesus macaque VTCN1 Protein, His-tagged

Cat. No. VTCN1-1519R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus macaque B7-H4/VTCN1 Protein (Phe29-Ala258) with a C-His tag was expressed in human cells.
Species	Rhesus macaque
Source	Human Cells
ProteinLength	29-258 a.a.
Description	<p>B7 Homolog 4 (B7-H4) is glycosylated member of the B7 family of immune costimulatory proteins. It is widely expressed, including in kidney, liver, lung, pancreas, placenta, prostate, spleen, testis and thymus. B7-H4 negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. It also involved in promoting epithelial cell transformation.</p>
Form	Lyophilized
Bio-activity	Immobilized Human GFRA1-His at 0.5g/ml(100 μ/well) can bind Human GDNF. The ED50 of GDNF is 14.73 g/mL.
Molecular Mass	26.4 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Endotoxin	< 1.0 EU per g as determined by the LAL method.
Purity	> 95% as determined by reducing SDS-PAGE.
Applications	Immunogen
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Storage Buffer	Lyophilized from a 0.2 µ filtered solution of PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.
Shipping	Ice packs.

GENE INFORMATION

Gene Name	VTCN1 V-set domain containing T cell activation inhibitor 1 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	VTCN1
Synonyms	VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1
Gene ID	714123
mRNA Refseq	XM_001103715

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Protein Refseq XP_001103715

UniProt ID F7B770

SDS-PAGE

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