

B7 Homolog 4/B7-H4/VTCN1 Biotinylated Active Protein | B7-H4/VTCN1 active protein

Recombinant Human B7 Homolog 4/B7-H4/VTCN1 (C-Fc-Avi) Biotinylated

CATALOG #
AAA177958

HOST
Human Cells

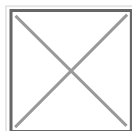
PRODUCT SYNONYMS

B7 Homolog 4/B7-H4/VTCN1 Biotinylated; Recombinant Human B7 Homolog 4/B7-H4/VTCN1 (C-Fc-Avi) Biotinylated; B7S1; B7x; Vtcn1; B7h.5; B7-H4; B7H4T-cell costimulatory molecule B7x; B7S1VCTN1; B7XPRO1291; FLJ22418; Immune costimulatory protein B7-H4; Protein B7S1; T cell costimulatory molecule B7x; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; B7-H4/VTCN1 active protein

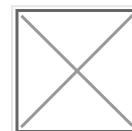
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Sequence	Phe29-Ala258
Species	Human
Tag	C-Fc-Avi
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Biotinylated Recombinant Human B7 Homolog 4 is produced by our Mammalian expression system and the target gene encoding Phe29-Ala258 is expressed with a Fc, Avi tag at the C-terminus.
Activity	Immobilized Anti-Human B7-H4 mAb at 2ug/ml (100ul/well) can bind Biotinylated Human B7-H4-Fc-Avi . The ED50 of Biotinylated Human B7-H4-Fc-Avi is 0.23ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for B7-H4/VTCN1 active protein

B7 Homolog 4 (B7-H4) is glycosylated member of the B7 family of immune costimulatory proteins. Mature human B7-H4 consists of a 235 amino acid (aa) extracellular domain (ECD) with two Ig-like V-type domains, a 21 aa transmembrane segment, and a 2 aa cytoplasmic tail. 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.

Product Categories/Family for B7-H4/VTCN1 active protein

Cell biology; Cancer; immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	70997756
NCBI GeneID	79679
UniProt Accession #	Q7Z7D3; Q0GN76; Q45VN0; Q5WPZ3; Q6P097; Q9H6B2
Molecular Weight	30,878 Da
NCBI Official Full Name	B7-H4
NCBI Official Synonym Full Names	V-set domain containing T cell activation inhibitor 1
NCBI Official Symbol	VTCN1
NCBI Official Synonym Symbols	B7X; B7H4; B7S1; B7-H4; B7h.5; VCTN1; PRO1291; RP11-229A19.4
NCBI Protein Information	V-set domain-containing T-cell activation inhibitor 1; B7 family member, H4; B7 superfamily member 1; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4
UniProt Protein Name	V-set domain-containing T-cell activation inhibitor 1
UniProt Gene Name	VTCN1
UniProt Synonym Gene Names	B7H4
UniProt Entry Name	VTCN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-cells-active-protein/b7-homolog-4-b7-h4-vtcn1-biotinylated/177958>