

B7-H4 recombinant protein

Recombinant Mouse B7-H4 Protein

CATALOG #
AAA174036

HOST
Human Cells

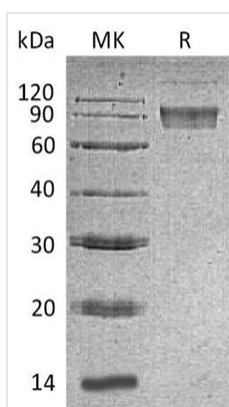
PRODUCT SYNONYMS

B7-H4; Recombinant Mouse B7-H4 Protein; V-set domain containing T-cell activation inhibitor 1; B7 homolog 4; Protein B7S1; VTCN1; B7h4; B7s1; B7x; BC032925; B7-H4 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95% as determined by SDS-PAGE
Form/Format	Lyophilized powder from a 0.2 um filtered solution of PBS, pH7.4.
Sequence	Phe29-Pro2 58
Species	Mouse
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Tag	C-Fc
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for B7-H4 recombinant protein	Mouse V-set domain-containing T-cell activation inhibitor 1/VTCN1/B7-H4 is glycosylated member of the B7 family of immune co-stimulatory proteins. B7-H4 consists of extracellular domain (ECD) with one Ig-like V-set domain and one Ig-like C2-set domain. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260166624
NCBI GeneID	242122
NCBI Accession #	AAH32925.1
NCBI GenBank Nucleotide #	NM_178594.3
UniProt Accession #	AAH32925.1; Q7TPH5; Q8K091; Q7TSP5
Molecular Weight	Molecular Mass: 52.2 kDa Actual Protein Molecular Mass: 70 - 90 kDa
NCBI Official Full Name	V-set domain containing T-cell activation inhibitor 1
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; BC032925
NCBI Protein Information	V-set domain containing T-cell activation inhibitor 1
UniProt Protein Name	V-set domain containing T-cell activation inhibitor 1
UniProt Gene Name	Vtcn1
UniProt Synonym Gene Names	B7-H4

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.