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# 32-8891: Recombinant Mouse B7-H4(Discontinued)

**Gene :** Vtcn1
**Gene ID :** 242122
**Uniprot ID :** Q7TSP5

## Description

Source: Human Cells.
MW :52.7kD.
Recombinant Mouse B7 Homolog 4 is produced by our Mammalian expression system and the target gene encoding Leu25-Ser256 is expressed with a Fc tag at the C-terminus. 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.

## Product Info

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| **Amount :** | 10 μg / 50 μg |
| **Content :** | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. |
| **Storage condition :** | 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. |
| **Amino Acid :** | LIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEPDIKLNGIVIQWLKEGIKGLVHEFKEGKDDLSQQHEMFRGRT AVFADQVVVGNASLRLKNVQLTDAGTYTCYIRSSKGKGNANLEYKTGAFSMPEINVDYNASSESLRCEAPRWF PQPTVAWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKVTDSEVKRR SQLQLLNSVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPE VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPRE PQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQ QGNVFSCSVMHEALHNHYTQKSLSLSPGK |

## Application Note

**Endotoxin :** Less than 0.1 ng/ÃÂμg (1 IEU/ÃÂμg) as determined by LAL test.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***