

## 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

**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 :** LIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEPDIKLNIGVIQWLKEGKGLVHEFKEGKDDLSQQHEMFRGR  
AVFADQVVVGNASRLRKNVQLTDAGTYTCYIRSSKGGKGNANLEYKTGAFSMPEINVDYNASSESLRCEAPRWF  
PQPTVAWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLNVNTINNTYSMIENDIAKATGDIKVTDSEVKRR  
SQLQLLSVDDIEGRMDEPKSCDKTHTCPPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPE  
VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPRE  
PQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ  
QGNVFSCSVMHEALHNHYTQKSLSLSPGK

### Application Note

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