# Recombinant Human VTCN1 protein, hFc-tagged

**Cat. No.** VTCN1-7298H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human VTCN1 protein(Q7Z7D3-1)(Phe29-Ala258), fused with C-terminal hFc tag, was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | Phe29-Ala258 |
| **Tag** | C-hFc |
| **Form** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization. |
| **Bio-activity** | Immobilized Human B7-H4, hFc Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Anti-B7-H4 Antibody, hFc Tag with the EC50 of 7.8ng/ml determined by ELISA. |
| **Molecular Mass** | The protein has a predicted MW of 52.1 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC |

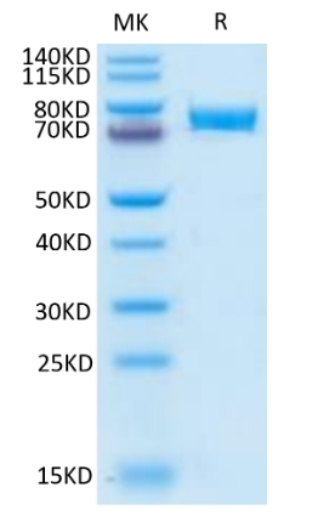
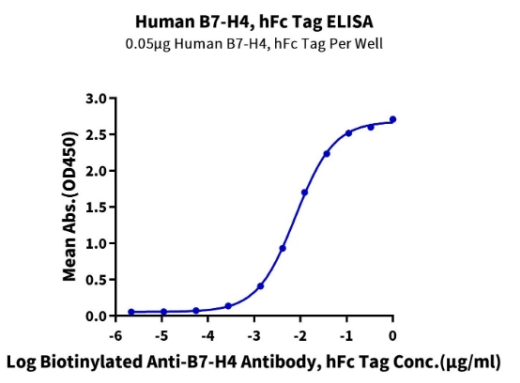
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| **Storage** | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |
| **Reconstitution** | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |

## GENE INFORMATION

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| **Gene Name** | VTCN1 V-set domain containing T cell activation inhibitor 1 [ Homo sapiens ] |
| **Official Symbol** | VTCN1 |
| **Synonyms** | VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; B7 family member; H4; B7 superfamily member 1; B7 H4; B7H4; B7S1; B7X; FLJ22418; B7 family member, H4; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7-H4; B7h.5; VCTN1; PRO1291; RP11-229A19.4; |
| **Gene ID** | 79679 |
| **mRNA Refseq** | NM_001253849 |
| **Protein Refseq** | NP_001240778 |
| **MIM** | 608162 |
| **UniProt ID** | Q7Z7D3 |

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| **Tris-Bis PAGE** |   |
| **ELISA Data** |   |

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