

# Human B7H4 Protein; His Tag

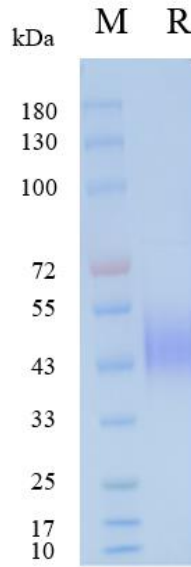
## Product Information

<b>Product Name</b>	Human B7H4 Protein; His Tag
<b>Storage temp.</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
<b>Catalog# / Size</b>	<b>GM-84570RP-100 / 100 <math>\mu\text{g}</math></b> <b>GM-84570RP-1000 / 1 mg</b>

## Protein Information

<b>Alternative Names</b>	B7-H4, VTCN1, B7S1, B7h.5
<b>Source</b>	Human B7H4 Protein; His Tag (GM-84570RP) is expressed from human 293 cells (HEK-293). It contains AA Phe29-Ala258 (Accession # NP_078902). This protein carries a His tag at the C-terminus.
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/ $\mu\text{g}$ , determined by LAL gel clotting assay
<b>Predicted Mol Mass</b>	26.4 KDa
<b>Formulation</b>	Supplied as a 0.2 $\mu\text{m}$ filtered solution of PBS, pH7.4.
<b>Description</b>	B7H4 protein is a cell surface protein belonging to the B7/CD28 immune regulatory family. This protein plays a crucial role in regulating immune responses and tumor immune evasion. Overexpression of B7H4 is associated with the development and progression of various tumors, making it a potential target for cancer therapy. Additionally, B7H4 may also promote tumor immune evasion by influencing the function of other immune cells in the tumor microenvironment, such as inhibiting natural killer cells (NK cells) and regulatory T cells (Treg cells). The B7H4 protein is of great interest in the fields of immunotherapy and tumor immunotherapy.

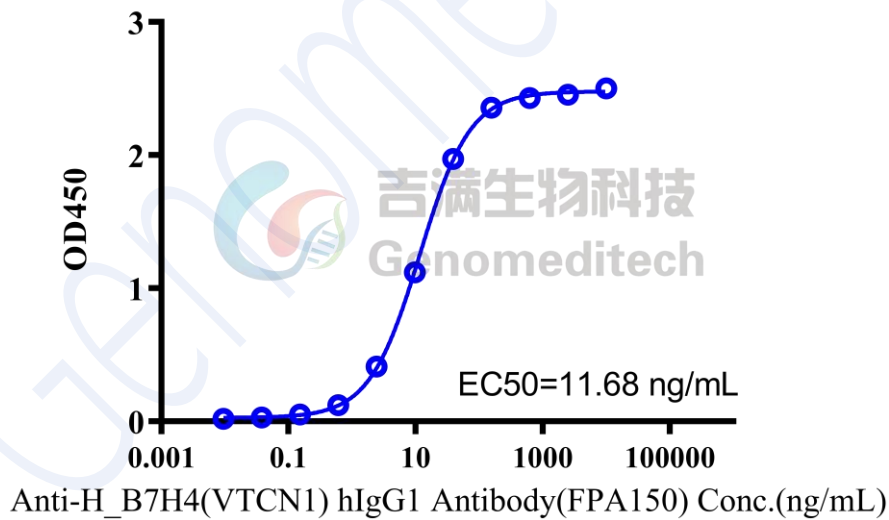
## SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

### Human B7H4 Protein; His Tag ELISA 0.2 $\mu$ g Human B7H4 Protein; His Tag of per well



Human B7H4 Protein; His Tag (Catalog # GM-84570RP) was immobilized at 2  $\mu$ g/ml (100  $\mu$ L/well). Increasing concentrations of Anti-H\_B7H4(VTCN1) hIgG1 Antibody (FPA150) (Catalog # GM-24028AB) were added.