

Human B7-H6/NCR3LG1 Protein

Cat. No. BH7-HM176

Description

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Source | Recombinant Human B7-H6/NCR3LG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Ser262. |
| Accession | Q68D85-1 |
| Molecular Weight | The protein has a predicted MW of 27.8 kDa. Due to glycosylation, the protein migrates to 50-68 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

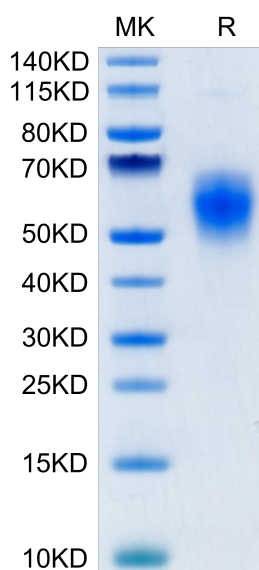
| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

B7-H6 is a glycosylated member of the B7 family of immune costimulatory proteins. which is a ligand for the NK cell activating receptor NKp30, was targeted to create a CAR that targets multiple tumor types. B7H6 is expressed on various primary human tumors, including leukemia, lymphoma and gastrointestinal stromal tumors, but it is not constitutively expressed on normal tissues.

Assay Data

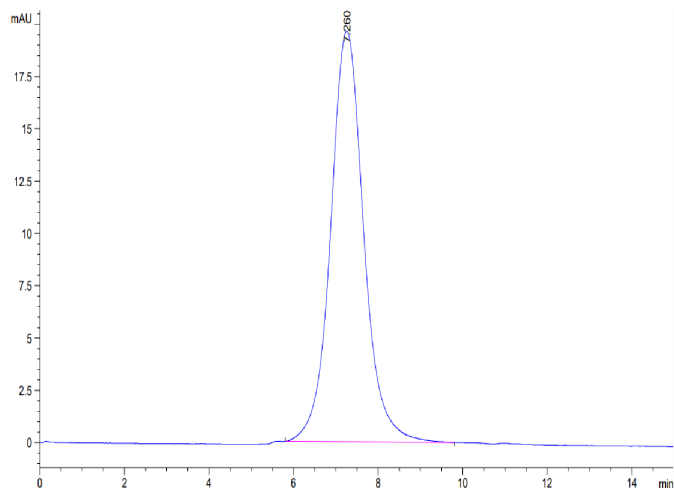
Bis-Tris PAGE



Human B7-H6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

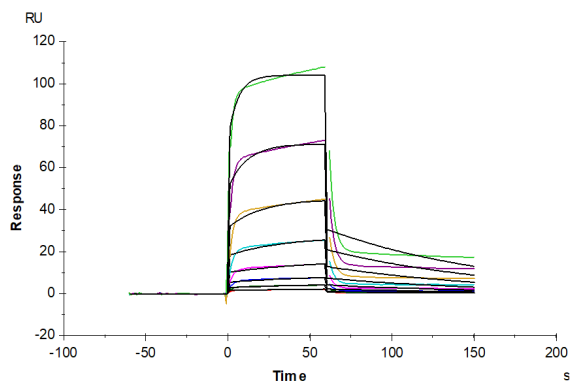
SEC-HPLC

Assay Data



The purity of Human B7-H6 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human NKp30, hFc Tag captured on CM5 Chip via Protein A can bind Human B7-H6, His Tag with an affinity constant of 48.67 nM as determined in SPR assay (Biacore T200) (QC Test).