

# Human B7-H6/NCR3LG1 Protein

Cat. No. BH7-HM176

## Description

<b>Source</b>	Recombinant Human B7-H6/NCR3LG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Ser262.
<b>Accession</b>	Q68D85-1
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

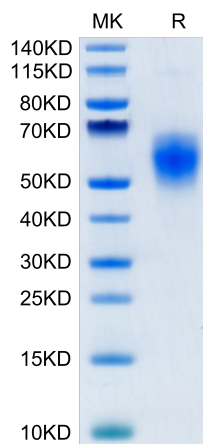
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

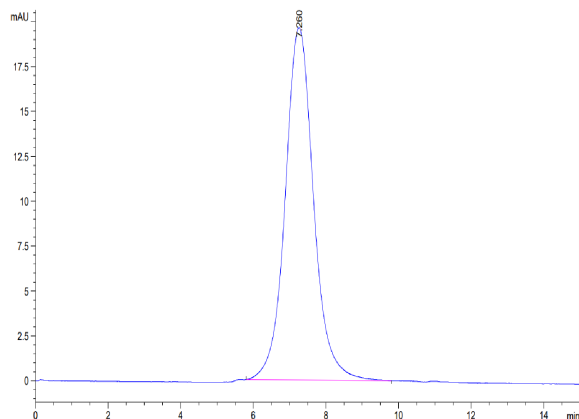
## Assay Data

### Bis-Tris PAGE



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

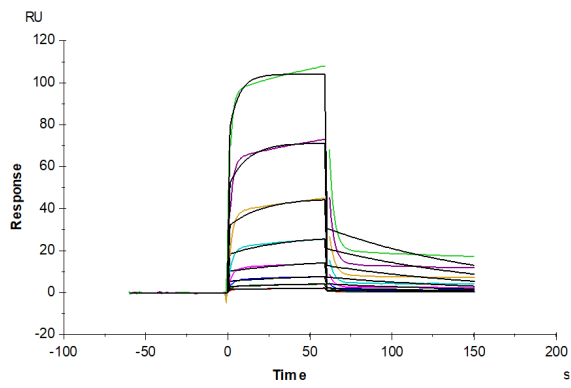
### SEC-HPLC



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

Assay Data

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).