

Human B7-H6/NCR3LG1 Protein

Cat. No. BH7-HM276

Description

Source	Recombinant Human B7-H6/NCR3LG1 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Asp25-Ser262.
Accession	Q68D85-1
Molecular Weight	The protein has a predicted MW of 53.4 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

Formulation and Storage

Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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.

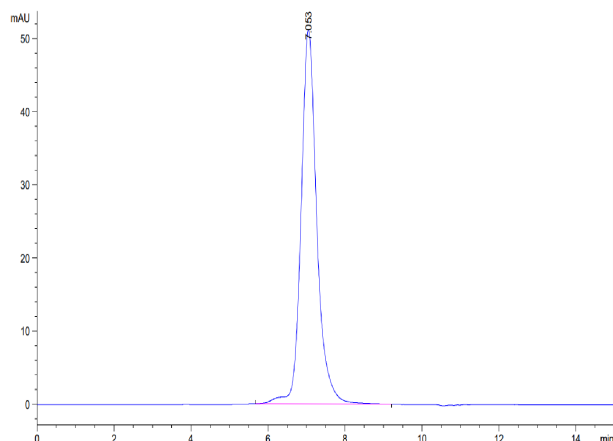
Assay Data

Tris-Bis PAGE



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

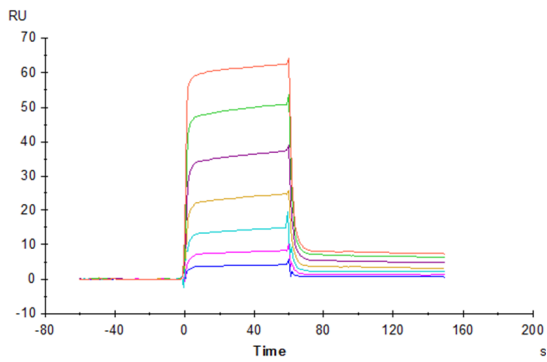
SEC-HPLC



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

Assay Data

SPR Data



Human B7-H6, hFc Tag captured on CM5 Chip via Protein A can bind Human NKp30, His Tag with an affinity constant of 0.292 μ M as determined in SPR assay (Biacore T200).