Human B7-H6/NCR3LG1 Protein, Ultra Low Endotoxin

Cat. No. BH7-HM176-UL

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 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

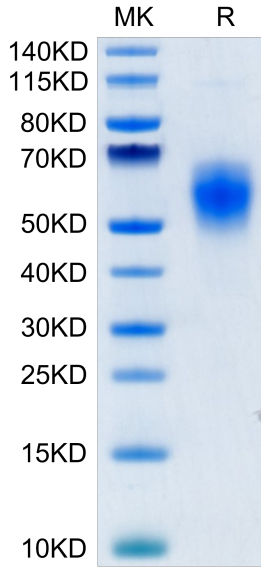
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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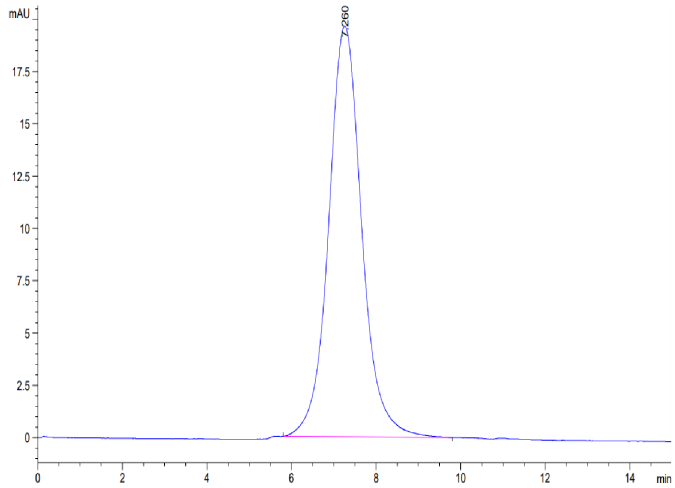
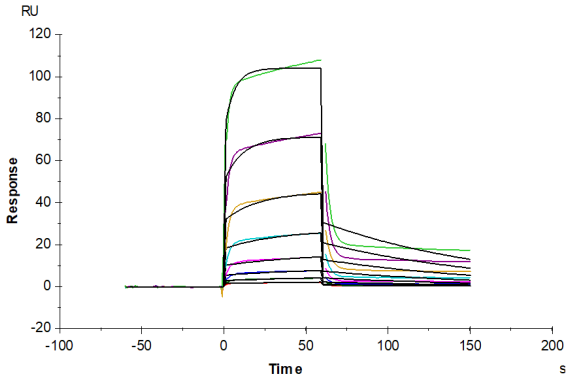
Assay Data



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).