

B7-H6 Protein, Human, Recombinant (His)

General Information

Synonyms:	natural killer cell cytotoxicity receptor 3 ligand 1;DKFZp686O24166;B7-H6;B7H6
Protein Construction:	Asp25-Ser262
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q68D85-1
Molecular Weight:	27.8 kDa (Predicted); 50-68 kDa (Reducing conditions due to glycosylation)

QC Testing

Biological Activity:	Human NKp30, hFc Tag captured on CM5 Chip via Protein A can bind Human B7-H6, His Tag with an affinity constant of 23.10nM as determined in SPR assay (Biacore T200).
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

B7-H6 is a glycosylated member of the B7 family of immune co-stimulatory 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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