Datasheet for ABIN7197102

B7-H6 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	B7-H6 (NCR3LG1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This B7-H6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human B7-H6 Protein (His Tag)(Active)
Sequence:	Met 1-Ser262
Characteristics:	A DNA sequence encoding the human NCR3LG1 (NP_001189368.1) (Met1-Ser262) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human B7-H6 -His at 10µg/mL (100µL/well) can bind human NCR3-Fch, the EC50 of human NCR3-Fch is 6-200ng/mL.

Target Details

Target:	B7-H6 (NCR3LG1)

Target Details

Alternative Name:	B7-H6 (NCR3LG1 Products)
Background:	Background: Natural cytotoxicity triggering receptor 3 ligand 1(B7-H6) is a glycosylated member of the B7 family of immune costimulatory proteins. Mature human B7-H6 consists of a 238 amino acid (aa) extracellular domain (ECD) that contains one Ig-like V domain and one Ig-like C1 domain, a 21 aa transmembrane segment, and a 171 aa cytoplasmic domain that contains one ITIM, one SH2, and one SH3 motif. Both of the Ig-like domains carry N-linked glycosylation. The Ig-like V domain mediates 1:1 stoichiometric binding of B7-H6 to NKp30 expressed on NK cells. It does not show binding to NKp44, NKp46, or NKG2D. Ligation of NKp30 by B7-H6 induces NK cell activation and target cell cytolysis. B7-H6 is expressed on a wide range of hematopoietic, carcinoma, and melanoma tumor cells, which is consistent with the detection of NKp30 binding sites on many tumors. Synonym: B7-H6,B7H6,DKFZp686O24166
Molecular Weight:	28.1 kDa
NCBI Accession:	NP_001189368

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.