

32-8926: Recombinant Human B7 Homolog 6/B7-H6/NCR3LG1(C-6His)

Gene : NCR3LG1

Gene ID : 374383

Uniprot ID : Q68D85

Description

Source: Human cells.

MW :27.5kD.

Recombinant Human B7 Homolog 6 is produced by our Mammalian expression system and the target gene encoding Asp25-Ser262 is expressed with a 6His tag at the C-terminus. 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 cytotoxicity. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : DLKVEMMAGGTQITPLNDNVTIFCNIFYSQLNITSMGITWFWKSLTFDKEVKVFEFFGDHQAIFRPGAIVSPW
RLKSGDASLRPLPGIQLLEEAGEYRCEVVVTPKLAQGTQVLEVVASPASRLLLDQVGMKENEDKYMCESSGFYPEA
INITWEKQTQKFPHPHIEISDVITGPTIKNMDGTFNVTSCKLNSSQEDPGTVYQCVVRHASLHTPLRSNFTLTAA
RHSLSETEKTDNFSHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.