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**Recombinant Human B7 Homolog 6 Protein****Cat.NO.: TP05046**

3th Edition

**Synonyms:**Natural cytotoxicity triggering receptor 3 ligand 1; B7 homolog 6; B7-H6; NCR3LG1; B7H6**Description:**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.**Form:**PBS**Molecular Weight:**27.5 kDa**Sequences:**Asp25-Ser262**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.