



Recombinant Protein Technical Manual
Recombinant Rat B7-H6/NCR3LG1 Protein (His Tag)
RPES3079

Product Data:

Product SKU: RPES3079

Size: 50µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: XP_006223356.1

Protein Information:

Molecular Mass: 35.1 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg protein as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: B7H6

Immunogen Information:

Sequence: Met1-Ser308

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.