

## B7-H6 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75484
Synonyms:	Natural cytotoxicity triggering receptor 3 ligand 1; B7-H6; NCR3LG1
Species:	Rat
Source:	HEK293
Accession:	XP_006223356 (M1-S308)
Gene ID:	691092
Molecular Weight:	Approximately 60.4 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	B7-H6, a distinctive protein, serves as a trigger for NCR3-dependent natural killer (NK) cell activation. Operating as a monomer, B7-H6 exhibits a specific interaction with NCR3, distinctly avoiding engagement with other NK cell-activating receptors, such as NCR1, NCR2, and KLRK1. This interaction highlights its unique role in initiating NK cell responses through the NCR3 pathway, showcasing its specificity in the intricate network of NK cell activation mechanisms.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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