

Active Recombinant Human NCR3LG1, Fc-tagged, Biotinylated

Cat. No. NCR3LG1-547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human B7-H6-Fc fusion is expressed as a 466 amino acid protein consisting of Asp25 - Ser262 region of B7-H6 (UniProt accession #Q68D85) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	25-262 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its receptor NKp30/NCR3 and Induces IFN- γ secretion by NK-92 human natural killer lymphoma cells with an ED50 of 0.4 - 2.6 μ g/ml.
Molecular Mass	Calculated molecular mass 52.2 kDa; estimated by SDS-PAGE under reducing condition 75-85 kDa probably due to glycosylation
AA Sequence	DLKVEMMAGGTQITPLNDNVTIFCNIFYSQLNITSMGITWFWKSLTFDKEVKVFEFF GDHQEAFRPGAIVSPW RLKSGDASLRLPGIQLEEAGEYRCEVVVTPPKAQQGTQVLE VVASPARLLLDQVGMKENEDKYMCESSGFYPEA INITWEKQTQKFPHPHIEISEDVIT GPTIKNMDGTFNVTSCCLKLNSSQEDPGTVYQCVVRHASLHTPLRSNFTLT AARHSL SETEKTDNFSSTGTHTCPPCPAPELLGGPSVFLFPPKPKDITLMISRTPEVTCVVVDV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SHEDPEVKFNW YVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYK
CKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSREEMTKNQVSLTCLVKGFYPSDI
AVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCF SVMHEA
LHNHYTQKSLSLSPGK

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the

Purity >95% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [NCR3LG1 natural killer cell cytotoxicity receptor 3 ligand 1 \[Homo sapiens \]](#)

Official Symbol NCR3LG1

Synonyms B7H6; B7-H6; DKFZp686O24166; DKFZp686I21167; natural cytotoxicity triggering receptor 3 ligand 1; B7 homolog 6; putative Ig-like domain-containing protein DKFZp686O24166/DKFZp686I21167

Gene ID [374383](#)

mRNA Refseq [NM_001202439](#)

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Protein Refseq	NP_001189368
MIM	613714
UniProt ID	Q68D85
Chromosome Location	11p15.1
Function	structural molecule activity

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