

Recombinant Human NCR3 Protein, C-His-tagged

Cat. No. NCR3-044H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human NCR3 Protein with C-His tag was expressed in E. coli.

Species Human

Source E.coli

Description

The immune response is the way the body recognizes and defends itself against microorganisms, viruses and substances recognized as foreign and potentially harmful to the body. Innate immunity is the barrier that keeps foreign materials from entering the body and represents the first line of defense in the immune response. During the innate response to many inflammatory and infectious stimuli, dendritic cells (DCs) undergo a differentiation process termed maturation. Mature DCs activate antigen-specific naive T cells and resting human natural killer (NK) cells. NK cell receptors NKp30, NKp44 and NKp46 appear to play prominent roles in NK cell activation. The human NKp30 gene maps to chromosome 6p21.3 and encodes a 190 amino acid protein. The NKp30 protein contains a signal peptide followed by a 120 amino acid extracellular region that forms a V-type Ig-like domain with 2 potential N-linked glycosylation sites, a hydrophobic transmembrane region with a positively charged Arginine residue, and a 33 amino acid cytoplasmic tail lacking an immunoreceptor tyrosine-based activating motif (ITAM). NKp30 cooperates with NKp46 and/or NKp44 in the induction of NK-mediated cytotoxicity against the majority of target cells, where it represents the major triggering receptor in the killing of certain tumors.

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Molecular Mass	~13 kDa
AA Sequence	LWVSQPPEIRTLLEGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFR GRLAPLASSRFLHDHQAELHIRDVIRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKE HPQLG
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	NCR3 natural cytotoxicity triggering receptor 3 [Homo sapiens (human)]
Official Symbol	NCR3
Synonyms	NCR3; natural cytotoxicity triggering receptor 3; LY117, lymphocyte antigen 117; 1C7; CD337; NKp30; NK-p30; lymphocyte antigen 117; activating NK-A1 receptor; activating natural killer receptor p30; natural killer cell p30-related protein; MALS; LY117;
Gene ID	259197

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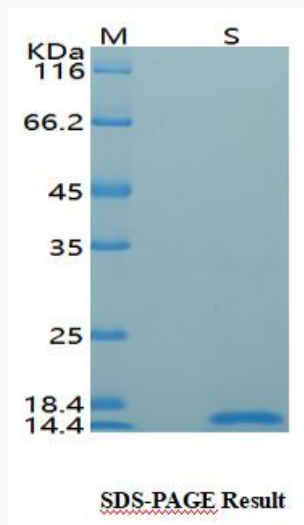
mRNA Refseq [NM_001145466](#)

Protein Refseq [NP_001138938](#)

MIM [611550](#)

UniProt ID [O14931](#)

SDS-PAGE



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