

Recombinant Human NCR2 Protein, C-His-tagged

Cat. No. NCR2-188H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCR2 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>Natural killer (NK) cells direct cytotoxicity against tumor or virally infected cells. NK cell-mediated cytotoxicity is stimulated by several activating receptors associated with the signaling adapter DNAX activation 12/killer cellactivating receptor-associated protein (DAP12). NKp44 is a natural cytotoxicity receptor that is expressed on IL-2-activated human NK cells and may contribute to the increased efficiency of NK cells to mediate tumor cell lysis. NKp44 is composed of one Ig-like extracellular domain, a transmembrane segment and a cytoplasmic domain. Prolactin upregulates and cortisol downregulates the surface expression of NKp44 at the transcriptional level. A cellular ligand for NKp44 (NKp44L) is expressed during HIV-1 infection and is correlated with the progression of CD4+ T cell depletion and an increase of viral load. This implicates NKp44 as a therapeutic agent that may aid in the progress towards a vaccine for HIV-1 infection.</p>
Molecular Mass	~19 kDa
AA Sequence	<p>QSKAQLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASALVCIRLVTSSKPRTMA WTSRFTIWDDPDAGFFVTMTDLREEDSGHYWCRIYRPSDNSVSKSVRFYLVVSPA SASTQTSWTPRDLVSSQTQTQSCVPPTAGARQAPESPSTIPVPSQPQNSTLRPGPA</p>

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	APIA
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	NCR2 natural cytotoxicity triggering receptor 2 [Homo sapiens (human)]
Official Symbol	NCR2
Synonyms	NCR2; natural cytotoxicity triggering receptor 2; LY95, lymphocyte antigen 95 (activating NK receptor; NK p44); CD336; NK p44; NK cell-activating receptor; NK cell activating receptor (NKp44); natural killer cell p44-related protein; lymphocyte antigen 95 (activating NK-receptor; NK-p44); lymphocyte antigen 95 homolog (activating NK-receptor; LY95; NKP44; NK-p44; dJ149M18.1;
Gene ID	9436
mRNA Refseq	NM_001199509
Protein Refseq	NP_001186438

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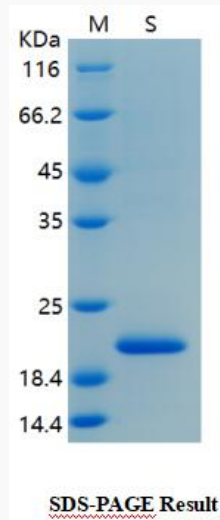
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MIM 604531

UniProt ID O95944

SDS-PAGE



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