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NCR, NKp46 (Extracellular Ig-like domain ; 22-255aa, human)

Recombinant, expressed in *E.coli*

Cat. No. NCR3001 **Size :** 100 ㎍

Synonyms : Natural Killer (NK) Cell Activating Receptor NKp46

Desciption :A natural cytotoxicity receptor(NCR) NKp46 has been shown to represent a novel NK cell-specific molecule involved in human NK cell activation. The natural cytotoxicity receptors(NCRs) are a recently characterized family of Ig-like activation receptors that appear to be major triggering receptors in tumor cell recognition. The three known NCRs include NKp46 and NKp30,which are expressed on circulating NKcells, and NKp44,which is expressed only on activating NK cells. NKp46 has been implicated in NK cell-mediated lysis of several autologous tumor cells and pathogen-infected cell lines. NKp46 has two extracellular Ig-like domains followed by a ~40 residue stalk region, a type I transmembrane domain, and a short cytoplasmic tail. The extracellular Ig-like domain of NKp46(22-255aa) was overexpressed in *E.coli*, and purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer.

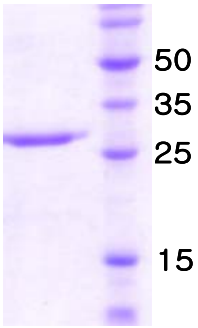
Form : Liquid. In phosphate buffered saline (pH7.4), 1mM EDTA.

Molecular weight : 26.6KDa (235amino acids) **Purity :** ≥95% by SDS-PAGE

Concentration: 1 mg/ml

Sequence

MQQQTLPKPF IWAEPHFMVP KEKQVTICCQ GNYGAVEYQL HFEGSLFAVD RPKPPERINK
VKFYIPDMNS RMAGQYSCIY RVGELWSEPS NLLDLVVTEM YDTPTLSVHP GPEVISGEEV
TFYCRLDTAT SMFLLLKEGR SSHVQRGYGK VQAEFPLGPV TTAHRGTYRX FGSYNNHAWS
FPSEPVKLLV TGDIENTSLA PEDPTFSADT WGTYLLTTET GLQKDHALWD HTAQN



14% SDS-PAGE

Storage : Store at -20℃. Avoid freeze/thaw cycles

References Christine E., *et al*(2003) *J.Biol.Chem*. 278(46),46081-6
Vankayalapati R., *et al*(2002) *J. Immunol*. 168(7), 3451-7
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