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**NCR, NKp46 ( Extracellular Ig-like domain ; 22-255aa, human), Recombinant, E.coli**

**Cat.NO.: TP03109**

3th Edition

**Synonyms:**Natural cytotoxicity triggering receptor 1 isoform a, CD335, LY94, NK-p46

**Description:**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 Iglke 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 (pH 7.4) containing 1 mM EDTA

**Molecular Weight:**26.6 kDa (235 aa), confirmed by MALDI-TOF

**Sequences:**

MQQQTLPKPFIWAEPHF MVPKEKQVTICCGNYGAVEYQLHFEGSLFAVDRPKPPERINKVKFYIPDMNSRMAGQ  
YSCIYRVGELWSEPSNLLDLVVTEMYDTPTLSVHPGPEVISGEEVTFYCRLDTATSMFLLLKEGRSSHVQRGYGKV  
QAEFPLGPVTTAHRGTYRFXGFSYNNHAWSPSEPVKLLVTGDIENTSLAPEDPTFSADTWGTYLLTTETGLQKDHA  
LWDHTAQN

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.