

## Product datasheet for **RC206601**

### CD89 (FCAR) (NM\_002000) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD89 (FCAR) (NM_002000) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD89
Synonyms:	CD89; CTB-61M7.2; FcalphaRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206601 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCAAACAGACCACCCTCCTGTGTCTTGTGCTCTGTCTGGCCAGAGGATTCAGGCACAGGAAG  
GGGACTTTCCCATGCCTTTCATATCTGCCAAATCGAGTCCTGTGATTCCTTGGATGGATCTGTGAAAAT  
CCAGTGCCAGGCCATTCGTAAGCTTACCTGACCCAGCTGATGATCATAAAAACTCCACGTACCGAGAG  
ATAGGCAGAAGACTGAAGTTTTGGAATGAGACTGATCCTGAGTTCGTATTGACCACATGGACGCAAACA  
AGGCAGGGCGCTATCAGTGCCAATATAGGATAGGGCACTACAGATTCCGGTACAGTGACACCCTGGAGCT  
GGTAGTGACAGGCTTGTATGGCAAACCCTTCTCTCTGCAGATCGGGGTCTGGTGTGATGCCAGGAGAG  
AATATTTCCCTCACGTGCAGCTCAGCACACATCCATTTGATAGATTTTCACTGGCCAAGGAGGGAGAAC  
TTTCTCTGCCACAGCACAAAGTGGGGAACACCCGGCCAATTCTCTTTGGGTCTGTGGACCTCAATGT  
CTCAGGGATCTACAGGTGCTACGGTTGGTACAACAGGAGCCCCTACCTGTGGTCTTCCCGAGTAATGCC  
TTGGAGCTTGTGGTCACAGACTCCATCCCAAGATTACACGACGCAGAATTGATCCGCATGGCCGTGG  
CAGGACTGGTCTCGTGGCTCTTTGGCCATACTGGTTGAAAATTGGCACAGCCATACGGCACTGAACAA  
GGAAGCCTCGGCAGATGTGGCTGAACCGAGCTGGAGCCAACAGATGTGTCAGCCAGGATTGACCTTTGCA  
CGAACACCAAGTGTCTGCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

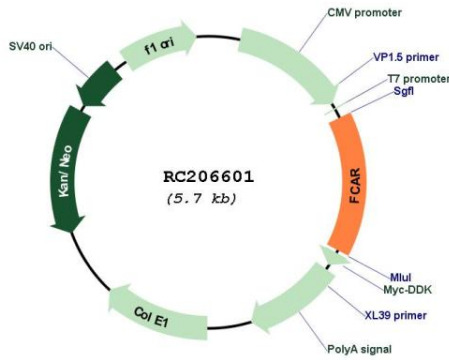


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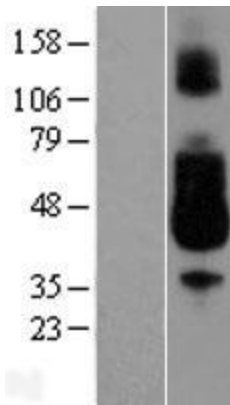


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002000.2</a> , <a href="#">NP_001991.1</a>
<b>RefSeq Size:</b>	1671 bp
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	2204
<b>UniProt ID:</b>	<a href="#">P24071</a>
<b>Cytogenetics:</b>	19q13.42
<b>Domains:</b>	ig, IG
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	32.3 kDa
<b>Gene Summary:</b>	<p>This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsionized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p>

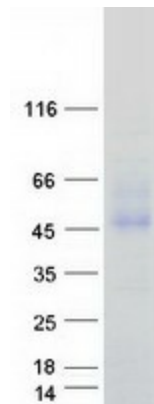
Product images:



Circular map for RC206601



Western blot validation of overexpression lysate (Cat# [LY419604]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206601 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FCAR protein (Cat# [TP306601]). The protein was produced from HEK293T cells transfected with FCAR cDNA clone (Cat# RC206601) using MegaTran 2.0 (Cat# [TT210002]).