

## Product datasheet for **RC206980**

### CD93 (NM\_012072) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD93 (NM_012072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD93
Synonyms:	C1qR(P); C1QR1; C1qRP; CDw93; dJ737E23.1; ECSM3; MXRA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Protein Sequence:** >RC206980 protein sequence  
**Red=Cloning site Green=Tags(s)**

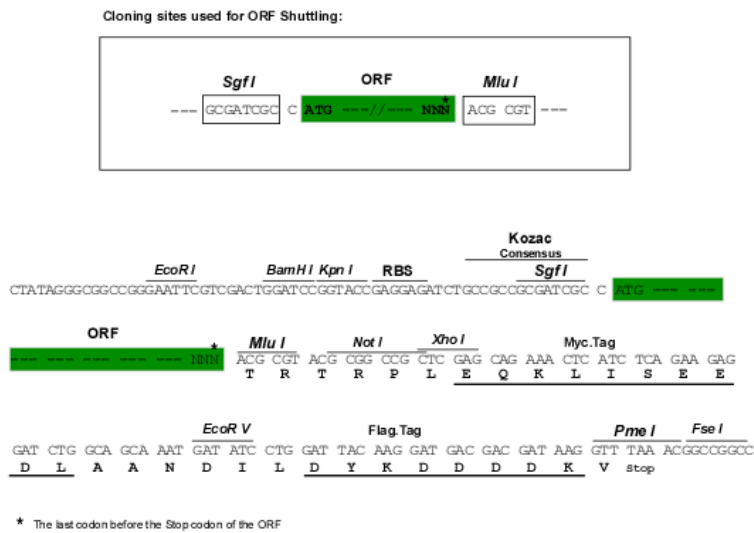
MATSMGLLLLLLLLLTQPGAGTGADTEAVVCVGTACYTAHSGKLSAAEAQNHCNQNGNLATVKSKEEAQ  
HVQRVLAQLLRREAL TARMKFWIGLQREKKGKCLDPSLPLKGF SWVGGGEDTPYSNWHKELRNCSISKR  
CVSLLDL SQPLLP SRLPKWSEGP CGSPGSPG SNI EGFVCKF SFGK MCRPLALGGPGQVYTTPTFQTTSS  
SLEAVPFASAANVACGEGDKDETQSHYFLCKEKAPDVFWDWGSSGPLCVSPKYGCNFNNGGCHQDCFEGGD  
GSFLCGCRPGFRLLDDLVT CASRNPCSSSPCRGGATCVL GPHGKNYTCRCPQGYQLDSSQLDCVDVDECQ  
DSPCAQECVNTPGGFRCECWVGYEPGGGEGACQDVDECALGRSPCAQGCNTDGSFHCSCEEGYVLAGE  
DGTQCQDVDECVGPGGPLCDSL CFNTQGSFHCGCLPGWVLAPNGV SCTMGPVSLGPPSGPPDEEDKGEKE  
GSTV PRAATASPTRGPEGTPKATPTTSRPSLSSDAPITSAPL KMLAPSGSPGVWREPSIHHATAASGPQE  
PAGGDSSVATQNDGTDGQKLLLFYILGTVVAILL L L L L L A L A L G L L V Y R K R R A K R E E K K E K K P Q N A A D S Y S W  
VPERAESRAMENQYSPTPGTDC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6279\\_g05.zip](https://cdn.origene.com/chromatograms/mk6279_g05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_012072

**ORF Size:** 1956 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_012072.4](#)

**RefSeq Size:** 6701 bp

**RefSeq ORF:** 1959 bp

**Locus ID:** 22918

**UniProt ID:** [Q9NPY3](#)

**Cytogenetics:** 20p11.21

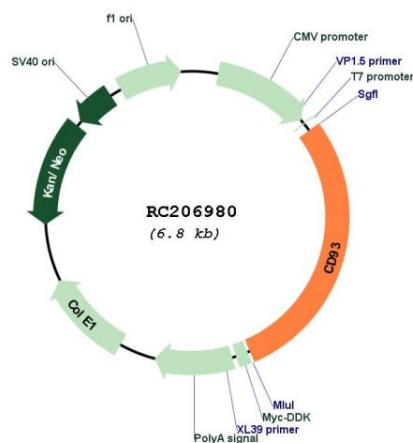
**Domains:** CLECT, EGF\_CA, EGF, EGF

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

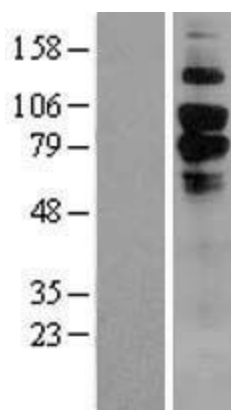
**MW:** 68.6 kDa

**Gene Summary:** The protein encoded by this gene is a cell-surface glycoprotein and type I membrane protein that was originally identified as a myeloid cell-specific marker. The encoded protein was once thought to be a receptor for C1q, but now is thought to instead be involved in intercellular adhesion and in the clearance of apoptotic cells. The intracellular cytoplasmic tail of this protein has been found to interact with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton. [provided by RefSeq, Jul 2008]

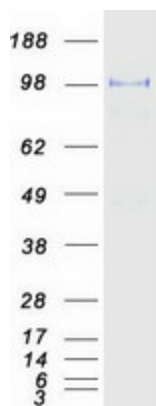
### Product images:



Circular map for RC206980



Western blot validation of overexpression lysate (Cat# [LY415997]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206980 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CD93 protein (Cat# [TP306980]). The protein was produced from HEK293T cells transfected with CD93 cDNA clone (Cat# RC206980) using MegaTran 2.0 (Cat# [TT210002]).