



**Protein Sequence:** >RC216603 protein sequence  
Red=Cloning site Green=Tags(s)

MVMRPLWSLLLWEALLPITVTGAQVL SKVGGSVLLVAARPPGFQVREAIWRSLWPSEELLATFFRGSLET  
 LYHSRFLGRAQLHSNLSLELGPLESGDSGNF SVLMVDTRGQPWTQTLQLKVYDAVPRPVVQVFI AVERDA  
 QPSKTCQVFLSCWAPNI SEITYSWRRETTMDFGMEPHSLFDGQVLSISLGPGRDRVAYS CIVSNPVSWD  
 LATVTPWDSCHHEAAPGKASYKDVLLVVVPVSLLLMLVTLFSAWHWCPCSGKKKKDVHADRVGPETENPL  
 VQDLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6559\\_h03.zip](https://cdn.origene.com/chromatograms/mk6559_h03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020125

**ORF Size:** 855 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_020125.3](#)

**RefSeq Size:** 3316 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 56833

**UniProt ID:** [Q9P0V8](#)

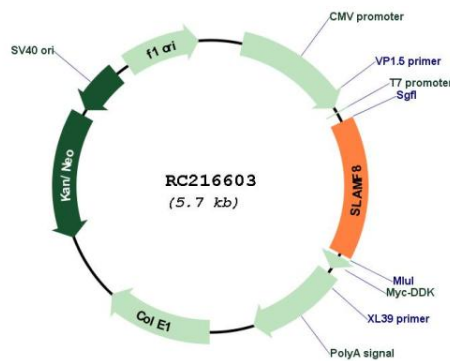
**Cytogenetics:** 1q23.2

**Protein Families:** Druggable Genome, Transmembrane

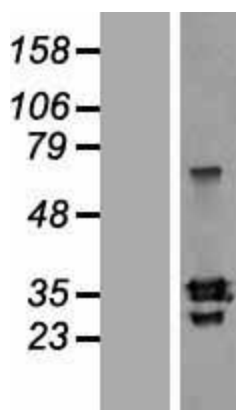
**MW:** 31.7 kDa

**Gene Summary:** This gene encodes a member of the CD2 family of cell surface proteins involved in lymphocyte activation. These proteins are characterized by Ig domains. This protein is expressed in lymphoid tissues, and studies of a similar protein in mouse suggest that it may function during B cell lineage commitment. The gene is found in a region of chromosome 1 containing many CD2 genes. [provided by RefSeq, Jul 2008]

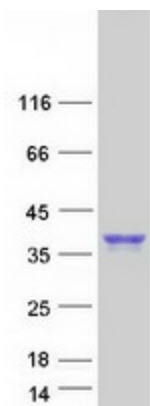
### Product images:



Circular map for RC216603



Western blot validation of overexpression lysate (Cat# [LY412665]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216603 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SLAMF8 protein (Cat# [TP316603]). The protein was produced from HEK293T cells transfected with SLAMF8 cDNA clone (Cat# RC216603) using MegaTran 2.0 (Cat# [TT210002]).