

Product datasheet for **RC229899**

LY108 (SLAMF6) (NM_001184714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY108 (SLAMF6) (NM_001184714) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LY108
Synonyms:	CD352; KALI; KALib; Ly108; NTB-A; NTBA; SF2000
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229899 representing NM_001184714 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGTGGCTGTTCCAATCGCTCCTGTTGTCTTCTGCTTTGGCCAGGGAATGTAGTTTCACAAAGCA
GCTTAACCCCATGATGGTGAACGGGATCTGGGGGAGTCAGTAACTCTCCCTGGAGTTTCTGCAGG
AGAGAAGGTCACTTCATCACTTGGCTTTTCAATGAAACATCTTGCCTTCATAGTACCCCATGAAACC
AAAAGTCCAGAAATCCACGTGACTAATCCGAAACAGGAAAGCGACTGAACTTCACCCAGTCTACTCCC
TGCAACTCAGCAACCTGAAGATGGAAGACACAGGCTCTTACAGAGCCAGATATCCACAAAGACCTCTGC
AAAGCTGTCCAGTTACACTCTGAGGATATTAAGACAACCTGAGGAACATACAAGTTACCAATCACAGTCAG
CTATTTCAGAATATGACCTGTGAGCTCCATCTGACTTGCTCTGTGGAGGATGCAGATGACAATGTCTCAT
TCAGATGGGAGGCCTTGGGAAACACACTTTCAAGTCAGCCAAACCTCACTGTCTCCTGGGACCCAGGAT
TTCCAGTGAACAGGACTACACCTGCATAGCAGAGAATGCTGTCTAGTAATTTATCCTTCTCTGTCTGCC
CAGAAGCTTTGCGAAGATGTTAAAATTCATATACAGATACCAAATGATTCTGTTTATGGTTTCTGGGA
TATGCATAGTCTTCGGTTTCATCACTGCTGTTACTTGTGTTTGGAGAAAAGAAGAGATTCCTATCTTT
GTCTACTCAGCGAACACAGGGCCCGCAGAGTCCGCAAGGAACCTAGAGTATGTTTCAGTGTCTCCAACG
AACAACTGTGTATGCTTCAGTCACTCATTCAAACAGGAAACAGAAATCTGGACACCTAGAGAAAATG
ATACTATCACAATTTACTCCACAATTAATCATTCCAAGAGAGTAAACCCACTTTTTCCAGGGCAACTGC
CCTTGACAATGTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229899 representing NM_001184714
Red=Cloning site Green=Tags(s)

MLWLFQSLLFVFCFGPGNVVSQSSLTPLMVNGILGESVTLPLEFPAGEKVNFIWLFNETSLAFIVPHET
 KSPEIHVTNPKQKRLNFTQSYSLQLSNLKMEDTGSYRAQISTKTSAKLSSYTLRILRQLRNIQVTNHSQ
 LFQNMTCELHLTCSVEDADDNVSRWEALGNTLSSQPNLTVSWDPRISSQDYTCIAENAVSNLFSVSA
 QKLCEDVKIQYDTKMILFMVSGICIVFGFIILLLLVLRKRRDLSLSTQRTQGPAESARNLEYVSVSPT
 NNTVYASVTHSNRETEIWTPRENDTITIYSTINHSKESKPTFSRATALDNVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3703_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001184714

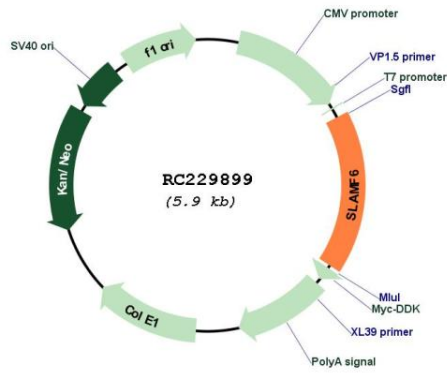
ORF Size: 996 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_001184714.2
RefSeq Size:	2754 bp
RefSeq ORF:	999 bp
Locus ID:	114836
UniProt ID:	Q96DU3
Cytogenetics:	1q23.2-q23.3
Protein Families:	Druggable Genome, Transmembrane
MW:	37.3 kDa
Gene Summary:	The protein encoded by this gene is a type I transmembrane protein, belonging to the CD2 subfamily of the immunoglobulin superfamily. This encoded protein is expressed on Natural killer (NK), T, and B lymphocytes. It undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It functions as a coreceptor in the process of NK cell activation. It can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2010]

Product images:



Circular map for RC229899