

## Product datasheet for **RG229827**

### **LY108 (SLAMF6) (NM\_001184715) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LY108 (SLAMF6) (NM\_001184715) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LY108  
**Synonyms:** CD352; KALI; KALib; Ly108; NTB-A; NTBA; SF2000  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229827 representing NM\_001184715  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTGGCTGTTCCAATCGCTCCTGTTGTCTTCTGCTTTGGCCAGTACCCATGAAACAAAAGTC  
CAGAAATCCACGTGACTAATCCGAAACAGGAAAGCGACTGAACTTCACCCAGTCCTACTCCCTGCAACT  
CAGCAACCTGAAGATGGAAGACACAGGCTTTACAGAGCCGAGATCCACAAAGACCTCTGCAAAGCTG  
TCCAGTTACACTCTGAGGATATTAAGACAACCTGAGGAACATACAAGTTACCAATCACAGTCAGCTATTT  
AGAATATGACCTGTGAGCTCCATCTGACTTGCTCTGTGGAGGATGCAGATGACAATGTCTCATTGATG  
GGAGGCCCTGGGAAACACACTTTCAAGTCAGCCAAACCTCACTGTCTCCTGGGACCCAGGATTTCCAGT  
GAACAGGACTACACCTGCATAGCAGAGAATGCTGTGAGTAAATTTATCCTTCTCTGCTCTGCCAGAAAGC  
TTTGCGAAGATGTTAAAATTCAATATACAGATACCAAAATGATTCTGTTTATGGTTTCTGGGATATGCAT  
AGTCTTCGGTTTCATCATACTGCTGTTACTTGTGTTTGGAGAAAAGAAGAGATTCCCTATCTTTGTCTACT  
CAGCGAACACAGGGCCCCGAGTCCGCAAGGAACCTAGAGTATGTTTCAGTGTCTCCAACGAACAACACTG  
TGTATGCTTCAGTCACTCATTCAAACAGGAAACAGAAATCTGGACACCTAGAGAAAATGATACTATCAC  
AATTTACTCCACAATTAATCATTCCAAAGAGAGTAAACCCACTTTTTCCAGGGCAACTGCCCTTGACAAT  
GTCGTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG229827 representing NM\_001184715  
Red=Cloning site Green=Tags(s)

MLWLFQSLLFVFCFGPVPHETKSPEIHVTNPKQGKRLNFTQSYSLQLSNLKMEDTGSYRAQISTKTSAKL  
 SSYTLRILRQLRNIQVTNHSQLFQNMTCELHLTCSVEDADDNVSFRWEALGNTLSSQPNLTVSWDPRISS  
 EQDYTCIAENAVSNLSFSVSAQKLCEDVKIQYDTKMILFMVSGICIVFGFIILLLLVLRKRRDLSLST  
 QRTQGPESARNLEYVSVSPTNNTVYASVTHSNRETEIWTPRENDTITIYSTINHSKESKPTFSRATALDN  
 VV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001184715

**ORF Size:** 846 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\\_001184715.2](#)

**RefSeq Size:** 2604 bp

**RefSeq ORF:** 849 bp

**Locus ID:** 114836

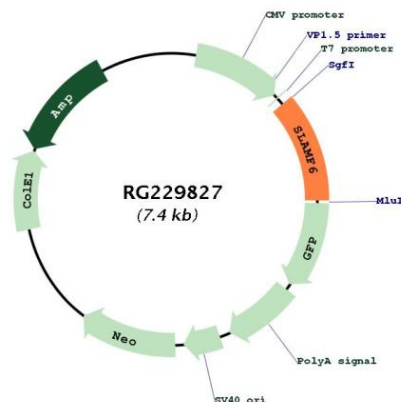
**UniProt ID:** [Q96DU3](#)

**Cytogenetics:** 1q23.2-q23.3

**Protein Families:** Druggable Genome, Transmembrane

**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 RG229827