

Product datasheet for **SC328353**

LY108 (SLAMF6) (NM_001184716) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | LY108 (SLAMF6) (NM_001184716) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLAMF6 |
| Synonyms: | CD352; KALI; KALib; Ly108; NTB-A; NTBA; SF2000 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC328353 representing NM_001184716. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

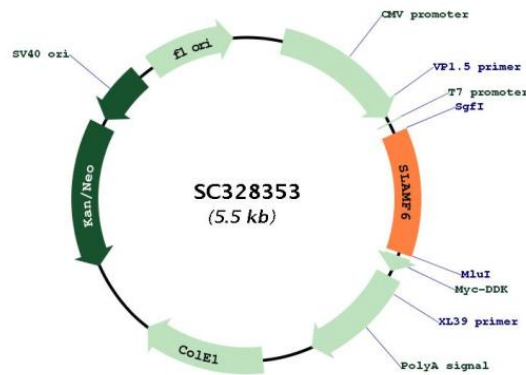
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTGGCTGTTCCAATCGCTCCTGTTGTCTTCTGCTTTGGCCAGGACAACCTGAGGAACATACAA
GTTACCAATCACAGTCAGCTATTTTCAAGATATGACCTGTGAGCTCCATCTGACTTGCTCTGTGGAGGAT
GCAGATGACAATGTCTCATTTCAGATGGGAGGCCTTGGGAAACACACTTTCAAGTCAGCCAAACCTCACT
GTCTCCTGGGACCCAGGATTTCCAGTGAACAGGACTACACCTGCATAGCAGAGAATGCTGTGAGTAAT
TTATCCTTCTCTGCTCTGCCAGAAGCTTTGCGAAGATGTTAAAATTCATATACAGATACCAAAATG
ATTCTGTTTATGGTTTCTGGGATATGCATAGTCTTCGTTTCATCATACTGCTGTTACTTGTGTTTGGAG
AAAAGAAGAGATTCCTATCTTTGTCTACTCAGCGAACACAGGGCCCGCAGAGTCCGCAAGGAACCTA
GAGTATGTTTTCAGTGTCTCCAACGAACAACACTGTGTATGCTTCAGTCACTCATTCAAACAGGGAACA
GAAATCTGGACACCTAGAGAAAATGATACTATCACAATTTACTCCACAATTAATCATTCCAAAGAGAGT
AAACCACTTTTTCCAGGGCAACTGCCCTTGACAATGTCGTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001184716

Insert Size: 666 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001184716.1](#)

| | |
|-------------------|---------------------------------|
| RefSeq Size: | 2421 bp |
| RefSeq ORF: | 666 bp |
| Locus ID: | 114836 |
| UniProt ID: | Q96DU3 |
| Cytogenetics: | 1q23.2-q23.3 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 25 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]

Transcript Variant: This variant (4) lacks an alternate exon in the 5' coding region, compared to variant 1, which result in an isoform (4) with a shorter extracellular domain than isoform 1.