

Product datasheet for **SC108856**

LY108 (SLAMF6) (NM_052931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY108 (SLAMF6) (NM_052931) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY108
Synonyms:	CD352; KALI; KALib; Ly108; NTB-A; NTBA; SF2000
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108856 sequence for NM_052931 edited (data generated by NextGen Sequencing)

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ATGTTGTGGCTGTTCCAATCGCTCCTGTTGTCTTCTGCTTTGGCCAGGAATGTAGTT
TCACAAAGCAGCTTAACCCATTGATGGTGAACGGGATTCTGGGGAGTCAGTAACCTTT
CCCCTGGAGTTTCTGCAGGAGAGAAGGTCAACTTCATCACTTGGCTTTTCAATGAAACA
TCTCTTGCTTTCATAGTACCCCATGAAACCAAAAGTCCAGAAATCCACGTGACTAATCCG
AAACAGGGAAAGCGACTGAACTTCACCCAGTCCTACTCCCTGCAACTCAGCAACCTGAAG
ATGGAAGACACAGGCTCTTACAGAGCCCAGATATCCACAAGACCTCTGCAAAGCTGTCC
AGTTACACTCTGAGGATATTAAGACAACCTGAGGAACATAACAAGTTACCAATCACAGTCAG
CTATTTTCAAGATATGACCTGTGAGCTCCATCTGACTTGCTCTGTGGAGGATGCAGATGAC
AATGTCTCATTGAGATGGGAGGCCTTGGGAAACACACTTTCAAGTCAGCCAAACCTCACT
GTCTCCTGGGACCCAGGATTTCCAGTGAACAGGACTACACCTGCATAGCAGAGAATGCT
GTCAGTAATTTATCCTTCTGTCTCTGCCCAGAAGCTTTGCGAAGATGTTAAAATTCAA
TATACAGATACCAAAATGATTCTGTTTATGGTTTCTGGGATATGCATAGTCTTCGGTTTC
ATCATACTGCTGTACTTGTGTTTGGAGAAAAGAAGAGATCCCTATCTTTGTCTACTCAG
CGAACACAGGGCCCCGAGTCCGCAAGGAACCTAGAGTATGTTTCAGTGTCTCCAACGAAC
AACACTGTGTATGCTTCAGTCACTCATTCAAACAGGAAACAGAAATCTGGACACCTAGA
GAAAATGATACTATCACAATTTACTCCACAATTAATCATTCCAAGAGAGTAAACCCACT
TTTTCCAGGGCAACTGCCCTTGACAATGTCGTGTA

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Clone variation with respect to NM_052931.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052931 unedited
 ATTTTGTAAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGATTGACTGCCTC
 AAGGTCTCAAGCACCAGTCTTACCCGCGGAAAGCTGTTGTGGCTGTTCCAATCGCTCCTG
 TTTGTCTTCTGCTTTGGCCAGGGAATGTAGTTTCACAAAGCAGCTTAACCCATTGATG
 GTGAACGGGATTCTGGGGAGTCAGTAACCTTCCCCTGGAGTTTCTGCAGGAGAGAAG
 GTCAACTTCATCACTTGGCTTTTCAATGAAACATCTCTTGCTTCATAGTACCCCATGAA
 ACCAAAAGTCCAGAAATCCACGTGACTAATCCGAAACAGGGAAAGCGACTGAACTTCACC
 CAGTCCTACTCCCTGCAACTCAGCAACCTGAAGATGGAAGACACAGGCTCTTACAGAGCC
 CAGATATCCACAAGACCTCTGCAAAGCTGTCCAGTTACACTCTGAGGATATTAAGACAA
 CTGAGGAACATACAAGTTACCAATCACAGTCAGCTATTTCCAGAATATGACCTGTGAGCTC
 CATCTGACTTGTCTGTGGAGGATGCAGATGACAATGTCTCATTAGATGGGAGGCTTG
 GAAAACACACTTTCAAGTCAGCCAAACCTCACTGTCTCCTGNGACCCAGATTTCCAGT
 GAACAGGACTACACCTGCATAGCAGAGAATGCTGNCAGTAATTTATCCTTCTGTCTCT
 GCCCAAAGCTTTGCGAAAATGTTNAAATTCATATACAGATACCANNATGATNCTGTTTA
 TGGTTTCTGGGATATGCATAGTCTTCGGTTTCATCATACTGCTGTACCTGTNNTGAGA
 AAGAAGAGATTCTATCTTTGTCTACTCAGCGACACAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_052931 unedited
 ATGAGCCTGGGGNAGGGGTACAGGGNATGCCACCCGGGATCTGTTCCAGGAAACAGCTAT
 GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATTTATTTATT
 TTTTGAGACAGAGTCTCACTCTGTCACCCAGACTGGAATACATTGGCATGATTTTGGCTC
 ACTGGAACCTCCACCTCCTGGGTTCAAGTGATTCTCCTGCCTCAGTCTCTCAAGTAGCTG
 GGATTTTAGGGGTGCACCACCACGCCTGGCTAATTTTTTTGTATTTTATAGTAAAGACGGG
 GTTTCACCAAGTTGGCCAGGCTGTTGAACTCCTGACCTCAAGTGATCTCCCCCTTG
 GCCTCCCAAAGTACTGGGATTACAGGTGTGAGCCACCATGCCAGCCTAGAAGATTTCATT
 TTANAAGAGTGGTCCGGGAAGGTTTCTCTTAAGAGGTGACATATTTAAAATTAACCTA
 ACCAATAGGAGGACCCCATCCCGCCCCAGAAAGGCGCTGCCGGAAGATGTAATTTTAC
 CTCACCAACTTTTTCTTTAATAACAAGCACCTGAAGAATATCATGGAGGCTCCTTACA
 AAAGTGTCTTAAACGCTCATGGTATCCTTAGGCCTGTAAGTGTGCCCCCACCACCCCGG
 TCCCTGTAACCGGGTTTCCTTTTTTCACTGGATTGTGTAATCCCCCGGGCCTTTTAC
 CCCGGTAATCTTGTAGGCACCCCTTTTTTCTCACATTACTATACTCCCGGCATTTCTTAA
 GACTAATCTCCTCGTACGAACCCCCCACTTACATCGAAGTCAGANCGCTCGTGTTTTT
 ACGGGTGTGATTGTTTGTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_052931

Insert Size:

3000 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).

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_052931.3](#), [NP_443163.1](#)

RefSeq Size: 2776 bp

RefSeq ORF: 996 bp

Locus ID: 114836

UniProt ID: [Q96DU3](#)

Cytogenetics: 1q23.2-q23.3

Domains: ig, IG

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]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1, which results in an isoform (2) that is one amino acid shorter than isoform 1.