

Product datasheet for **RC228046**

Lymphocyte Antigen 6 Complex (LY6K) (NM_001160355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Lymphocyte Antigen 6 Complex
Synonyms:	CT97; HSJ001348; ly-6K; URLC10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228046 representing NM_001160355
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTGCTCGCCTTGCTGCTGGTCTGGCCCTACCGCGGGTGTGGACAGACGCCAACCTGACTGCGA
GACAACGAGATCCAGAGGACTCCAGCGAACGACGAGGGTGACAATAGAGTGTGGTGTATGTTTGTGA
GAGAGAAAACACTTTCGAGTGCCAGAACCAAGGAGGTGCAATGGACAGAGCCATACTGCGTTATAGCG
GCCGTGACAGTGCTCCGCTGGTTGTGCAGCGATGGAGAGACCAAGCCAGAGGAGAAGCGGTTTCTCTG
GAAGAGCCCATGCCCTTCTTTACCTCAAGTGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228046 representing NM_001160355
Red=Cloning site Green=Tags(s)

MALLALLLVVALPRVWTDANLTARQRDPEDSQRTDEGDNRVWCHVCERENTFECQNP RRCKWTEPYCVIA
AVTVLRWLCS DGETQARGEAVSPGRAHALLLPQVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001160355

ORF Size: 315 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).

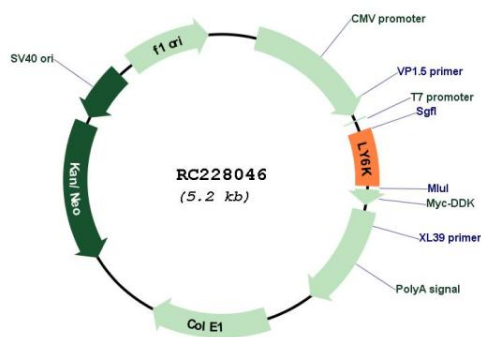
Reconstitution Method:

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_001160355.2
RefSeq ORF:	318 bp
Locus ID:	54742
UniProt ID:	Q17RY6
Cytogenetics:	8q24.3
Protein Families:	Transmembrane
MW:	11.7 kDa
Gene Summary:	Required for sperm migration into the oviduct and male fertility by controlling binding of sperm to zona pellucida (By similarity). May play a role in cell growth (PubMed:18089789). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228046