

Product datasheet for **RG207679**

LY6D (NM_003695) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LY6D (NM_003695) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LY6D
Synonyms: E48; Ly-6D
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207679 representing NM_003695
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGGACAGCATTGCTGCTCCTTGCAACCCTGGCTGTGGCTACAGGGCCAGCCCTTACCCTGCGCTGCC
ACGTGTGCACCAGCTCCAGCAACTGCAAGCATTCTGTGGTCTGCCCGCCAGCTCTCGTTCTGCAAGAC
CACGAACACAGTGGAGCCTCTGAGGGGAATCTGGTGAAGAAGGACTGTGCGGAGTCGTGCACACCCAGC
TACACCCTGCAAGGCCAGGTCAGCAGCGGCACCAGCTCCACCCAGTGTGCCAGGAGACCTGTGCAATG
AGAAGCTGCACAACGCTGCACCCACCCGCACCGCCCTCGCCACAGTGCCTCAGCCTGGGGCTGGCCCT
GAGCCTCTGGCCGTATCTTAGCCCCAGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207679 representing NM_003695
Red=Cloning site Green=Tags(s)

MRTALLLLLATLAVATGPALTLRCHVCTSSSNCKHSVVCPASSRFCKTTNTVEPLRGNLVKKDCAESCTPS
YTLQGQVSSGTSSTQCCQEDLCNEKLHNAAPRTRALAHSALSGLLALLAVILAPSL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_003695

ORF Size: 384 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.

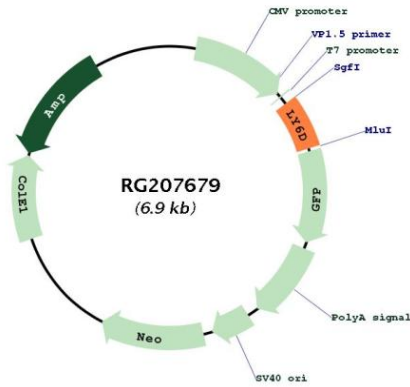
RefSeq: [NM_003695.2](#), [NP_003686.1](#)

RefSeq Size: 806 bp

RefSeq ORF: 387 bp

Locus ID: 8581
UniProt ID: [Q14210](#)
Cytogenetics: 8q24.3
Protein Families: Transmembrane
Gene Summary: May act as a specification marker at earliest stage specification of lymphocytes between B- and T-cell development. Marks the earliest stage of B-cell specification.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207679