

Product datasheet for **MR228035**

Gm21541 (NM_001270360) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: Gm21541

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR228035 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAGATGATGACTCTGAGCCTCCTAGCCTGGTCTGGCTCTCTGCATCCCCTGGACCAAGGCA
GTGATGGAGGGGACAGGACTGCTGCCTTAAGTACAGCCAGAAGAAATTCCTACAGTATTGTCCGAGG
CTATAGGAAGCAAGAACCAAGTTAGGCTGTCCATCCCGCAATCCTGTTCTTACCCCGGAAGCACTCT
AAGCCTGAGCTATGTGCAAAACCTGAGGAAGGCTGGGTGCAGAACCTGATGCGCCGCTGGACGACCTC
CAGCCCCAGGGAACAAGCCCCGGCTGCAGGAAGAACCGGGAACCTCTAAGTCTGGAAAGAAAGGAAA
GGGCTCCAAGGGCTGCAAGAGAAGTGAACAGACACAGCCCTCAAGAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228035 protein sequence
Red=Cloning site Green=Tags(s)

MAQMTLSLLSLVLALCIPWTQSDGGGQDCCLKYSQKKIPYSIVRGYRKQEPSLGCPIPAILFLPRKHS
KPELCANPEEGWVQNLMRRLQPPAPGKQSPGCRKNRGTSKSGKKGKSGCKRTEQTQPSRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001270360

ORF Size: 399 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.

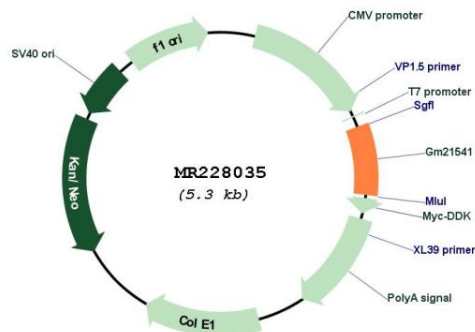
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001270360.1 , NP_001257289.1
RefSeq Size:	887 bp
RefSeq ORF:	402 bp
Locus ID:	100862177
UniProt ID:	P84443
Cytogenetics:	4
MW:	14.6 kDa
Gene Summary:	Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Potent mesangial cell chemoattractant. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228035