

Product datasheet for MR202312

Gm5935 (NM_001081657) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm5935 (NM_001081657) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm5935
Synonyms:	EG546282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202312 representing NM_001081657 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCTATTAAGAACTGTGGGTGATACCAAAGGATGGTTACTTATTACTTCTTGACTTTGATTCAGATG
AAGAAGAAGAGCAGGCTCATTCTGAAGTAAAGAGGCCAGCATTTGGCAAACATGAGAATATGCCACCTCA
CGTAGAAGCAGATGAAGATATAAGAGATGAACATGACAGTATGTTGGATAAATCTGGAGAAAACGTAAGT
TTCTCAGAGGAATGCCAGCGTTTTGCACGTTCTGTAGAGACCAATGGAAAACGGAATTTGTTAAGTG
GTGAACAGCAAGTTAGGAATGCTTCAGAATTGGACCTTATGGAAGTACAGAATCCAGTAACATCATGATGA
TGGGAATGCAAACTCCTGAAGAAGTAGTTGGAGATACACGAAAGAAGATCAACAACAAATTGTGTGAGCAG
AAGTTTGATATGGATATACAGAAATTCATGAAGAGCAAGAAAAATCAGTGAACAATTATCAAAAAGAAC
AAGAAGCATTAAACTGTCCGAATGCAGTCAGAGACAGACCCTGGAAGCAATTGAAGACATGCATGAGAA
GTCCATGGAGGGTTTGATGAACATGGAGACCAACAACACTACGATATGCTTTTTGATGTAGATGGTGAAGAG
ACATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202312 representing NM_001081657
Red=Cloning site Green=Tags(s)

MSIKKLWVWPKDGYLLLLDFDSDEEEEAHSEVKRPAFGKHENMPHVEADEDIRDEHDSMLDKSGENV
 FSEEWQRFARSVETPMENWNLLSGEQVRNASELDLMEVQNPVTHDDGNANPEEVVGDTRKKINNKLCEQ
 KFDMDIQKFNEEQEKSNNYQKEQEALKLSECSQRQTLEAIEDMHEKSMEGLMNMETNNYDMLFDVDGEE
 TL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081657

ORF Size: 636 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_001081657.1](#), [NP_001075126.1](#)

RefSeq Size: 904 bp

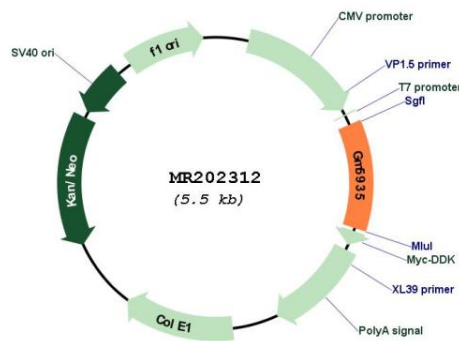
RefSeq ORF: 639 bp

Locus ID: 546282

Cytogenetics: X A2

MW: 24.7 kDa

Product images:



Circular map for MR202312