

Product datasheet for **MR230993**

Gab1 (NM_001301298) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gab1 (NM_001301298) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gab1
Synonyms:	AA408973; AW107238
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230993 representing NM_001301298
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCGGCGCGAAGTGGTTTGTCTCGGGATGGCTCCGCAAGTCGCCCGGAGAAGAAGTTGAAGCGTT
ATGCGTGAAGAGAAGGTGGTTTGTGTTGCGCAGTGGCCGTTTACTGGAGACCCGGATGTCCTGGAGTA
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TGAAG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR230993 representing NM_001301298
 Red=Cloning site Green=Tags(s)

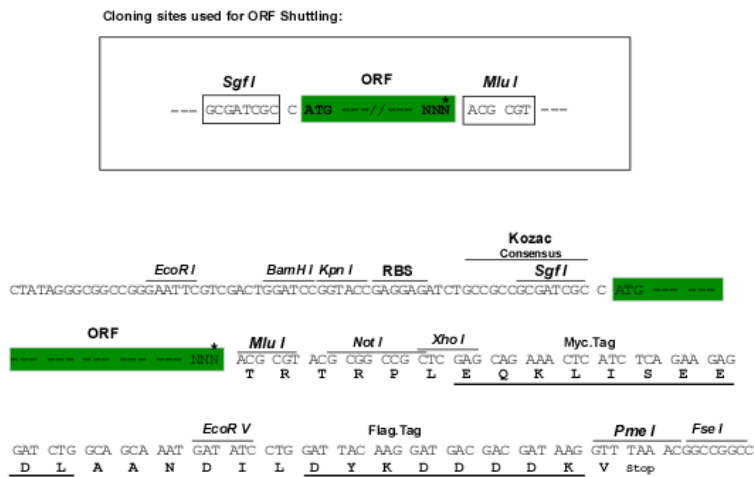
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 LEGFHSQYIKSVLTAGVSGEELDENYVPMNPNPPRQHSGSFTEPIQEPNYVPMPTGTFDFSSFGMQV
 PPPAHMGFRSSPKTPRRPVVADCEPPPVDRLKPKDRKGQSPKILRPKPHGLERTDSQTIGDFATRRKV
 KPAPLDIKPLSEWELQAPVRSPI TRSFARDSSRFPMSPRDSVHSTTSSSDSHDSEENYVPMNPNLSGE
 DPNL FASNSLDGGSSPMNPKGDKQVEYLDL DLDGSKSTPPRKQKSSGSGSSMADERVDYVVVDQKTLA
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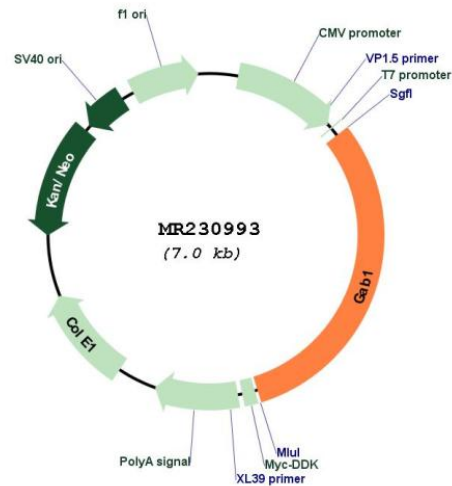
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001301298

ORF Size: 2175 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_001301298.1](#), [NP_001288227.1](#)

RefSeq Size: 5006 bp

RefSeq ORF: 2178 bp

Locus ID: 14388

Cytogenetics: 8 C2

MW: 80.6 kDa

Gene Summary: Adapter protein that plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. Plays a role in FGFR1 signaling. Probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Involved in the MET/HGF-signaling pathway.[UniProtKB/Swiss-Prot Function]