

Product datasheet for **MC228782**

Gab1 (NM_001301298) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228782 representing NM_001301298
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGCGCGAAGTGGTTTGTCTCGGATGGCTCCGCAAGTCGCCCCGGAGAAGAAGTTGAAGCGTT
 ATGCGTGAAGAGAAGGTGGTTTGTGTTGCGCAGTGGCCGTTTACTGGAGACCCGGATGTCCTGGAGTA
 TTACAAAAACGATCATGCCAAGAAGCCTATTTCGATTATTGATTTAAATTTATGTCAGCAAGTTGATGCT
 GGGTTGACATTCAACAAAAAGGAGTTTAAAAACAGCTATATCTTTGATATCAACACCATCGACCGGATTT
 TCTACTTGGTGGCAGATAGTGAGGAAGACATGAACAAGTGGTCCGTTGTATCTGTGACATCTGTGGATT
 CAATCCCACAGAAGAAGATCCTGTGAAGCCGTGACTGGCTCCTCACAAGCACCCGTCGATTACCTTTTC
 GCTATAAGTACAGCACCAGCCTCCAGTCAGATGGAAGCTTCTTCAGTCGCGCTACCTCCTCCTTACCAGG
 TCATCAGCCTTCCGCCACACCAGACCCCTCGGCCTCCAGGACGATCCACAAGACTACCTTTGCTGAT
 CAACTGTCAAAGCAAGAAGCCTGAACCTAACAGAACCTCTTTGACTCTGCCAAGCCACCTTTTCTGAG
 ACAGACTGCAATGACAAGTCCCTTCCCACCAGACTCCTGCTTCTCCCAGAGCAAAACACGGAATGAATG
 GCTTTTTCCAGCAACAAATGATGTATGACTGCCACCCTCCCGGCTGACATCTGTCTCGGGAGAGTCCAG
 CCTCTATAACCTGCCCAGGAGCTATTCCCATGACGTGTTGCCAAAGGAATCCCCATCAAGCACGGAGGCC
 GACGGGGAGCTGTACACCTTTAACACCCCATCTGGGACTGCAGGTGTAGAAACGCAGATGAGACATGTAT
 CCATCAGTTACGACATTCGCGCAACACCTGGCAACACTTACCAGATCCCACGGACATTTCCAGAAAGCAC
 ACTGGGACAGTCATCAAAGCTGGACACCATCTGATATCCCCCACCTCGGCCACCAAAGCCACATCCA
 ACTCATGACCCGGTCTCCTGTGAAACGTGTGGAGTCCCACGCACGGCCTCGGACACTGACAGCAGTTACT
 GTATCCCTCCTCCAGCAGCATGACGCCCTCCCGGAGTAATACCATTTCCACCGTGGATTTGAACAAGTT
 GCGGAAAGATGCTAGTTCTCAAGATTGCTATGATATTCCACGGACCTTTCCGAGCGATAGATCTAGTTCC
 CTGGAAGGCTTCCATAGCCAGTATAAAATCAAAGCGTGTGACAGCGGGAGGTGTCTCGGGTGAAGAGC
 TGGATGAGAACTACGTTCCCATGAACCCCAACTCGCCACCTCGACAACATTCCGGCAGCTTTACCAGGCC
 AATCCAGGAGCCAAACTATGTGCCAATGACCCAGGGACCTTTGACTTTTCTTCTTTGGAATGCAAGTC
 CCTCCTCTGCTCATATGGGCTTCAAGTCCAGCCCAAAGACCCCTCCCAGGAGGCCAGTTCTGTGCTG
 ACTGTGAACCACCCCGGTGGATAGGAACCTCAAGCCAGACAGAAAAGGTGAGATCCTAAAATTTAAG
 ACCCAAACCCCATGGTTTAGAGCGAACTGATTCACAAACCATAGGTGACTTTGCTACAAGAAGAAAGGTC
 AAGCCGGCACCTTAGACATAAAACCTCTGTGAGATGGGAAGAGCTGCAAGCCCGAGTCAGATCTCCCA
 TACCAGGAGCTTCGCTCGGGACTCCTCTAGTTTCCCATGTCCCTCGGCCTGATTCTGTGCACAGTAC
 GACATCGAGCAGCGACTCTCATGACAGTGAAGAGAACTATGTCCCATGAATCCAAATCTGTCTGGCGAA
 GACCCGAATCTCTTTGCCAGCAACAGCCTTGATGGGGGAAGCAGCCCGATGAATAAACCCAAAGGAGACA
 AACAAAGTCGAATACCTGGATTTAGACCTAGATTCTGGGAAGTCCACGCCACCAGGAAGCAAAAGAGCAG
 TGGTTCTGGCAGCAGCATGGCAGACGAGAGGGTGGATTACGTTGTGGTGGACCAACAGAAGACTCTGGCC
 CTGAAGAGTACCAGAGAAGCTTGGACGGATGGGAGGCAGTCCACAGAGTCCGAGACACCCACCAAGAATG
 TGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301298
Insert Size: 2178 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001301298.1</u> , <u>NP_001288227.1</u>
RefSeq Size:	5006 bp
RefSeq ORF:	2178 bp
Locus ID:	14388
Cytogenetics:	8 C2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>