

Product datasheet for **SC323884**

GAB1 (NM_207123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAB1 (NM_207123) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAB1
Synonyms:	DFNB26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_207123.1
GCTGCTGAGGCAGCTGGCGTTCTGTTTCAGGTTTCGTGGCCTGCAGAGGAGAGACTCGAAC
TCGTGGAACCCGCGCACCGTGGAGTCTGTCCGCCAGTCCGTCCGGGGTGC GCGACCAGG
AGAGCTAGGTTCTCGCCACTGCGCGCTCGGCAGCGTTCGGCTGTGTCCGGAGCGGCCCG
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TTTCAGTTTGGAAATTAATAAAGCAGTTGACATTCAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_207123
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_207123.1, NP_997006.1</u>
RefSeq Size:	3413 bp
RefSeq ORF:	2175 bp
Locus ID:	2549
UniProt ID:	<u>Q13480</u>
Cytogenetics:	4q31.21
Protein Families:	Druggable Genome
Protein Pathways:	ErbB signaling pathway, Neurotrophin signaling pathway, Renal cell carcinoma
Gene Summary:	<p>The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. It is an important mediator of branching tubulogenesis and plays a central role in cellular growth response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>