

Product datasheet for **SC305803**

GAB3 (NM_080612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAB3 (NM_080612) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305803 representing NM_080612.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGCAGGCGACGAGTGTGCACCGGCTGGCTCGTTAAGTCGCCCCCGAGAGGAAGCTACAGCGC
TACGCCGTGGCGCAAGCGCTGGTTTGTCTCCGGCGAGGCCGATGAGCGCAACCCGATGTCTTGGAG
TACTACAGGAACAAGCACTCCAGCAAGCCCATCCGGGTGATAGACCTCAGCGAGTGTGCAGTGTGGAAG
CATGTGGGCCCCAGCTTTGTTTCGAAGGAATTTTCAAGAATATTTTCGTGTTTATTGTCAAGACTACTTCC
CGTACATTCTACCTGGTGGCCAAAAGTGAAGAAATGCAGGTGTGGGTGCACAGCATCAGTCAGGTC
TGCAACCTTGGCCACCTGGAGGATGGTGCAGATTCCATGGAGAGCCTCTCTTACACGCCCTCCTCCCTG
CAGCCATCCTCTGCCAGCTCCCTTCTTACCGCCCATGCTGCCAGCTCCTTTGCCAAGAGATGACCCA
AACACTAATGCCGTAGCCACTGAGGAAACAGAAAGTGAAGTGCAGAGCTTCTCTTCTTCCAGATTATCTG
GTTTTGTCCAAGTGCAGACTGGAAGACTGCACCATAACAGTCTACCCACCAGATGTGATAGCTGGTCA
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TCCAGTCATTTGGTCCACCCCTCATGCCATGGCAGTGGAGCTCAGGAGGTGCCATCCTCGAGGCCTCAG
GCTGCCCTGATCTGGAGTAGAGAAATCAATGGGCCACCCAGGGACCACTTGCTCTTCTTACCATTGCTG
GAAAGTTCTTAAAGTTCCACCATTCAGGTAGATAAAAAACAAGTTTCTTACCCTGTGGAGCAAAAGAA
CTAGACATTATGTCCAACACTCCACCTCCCCGCCCCCTAAGCCAAGCCATCTGTCTGAACGGCGCCAA
GAGGAGTGGAGTACACACAGTGGTAGCAAGAAGCCAGAATGCACTCTGGTTCCAAGAAGATCTCCCTC
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CGGCTTAGTTTGAATTTGCCATGCAGGTTCTCCCGATGTACCCACAGCTTTCAGCCAGTATCGAAGAC
AGCTATGTGCCCATGAGCCCCAGGCTGGTGCCTCTGGTCTTGGACCCCACTGCAGCCCTGATGACTAC
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ATCCGGGAACATGCATCTCTTACCAGGACCCGCACTGTGCCTTGCAGTGAACAGCTTTCTCTCTCCA
GAAAGAAATGGTATTAATTCTGCAAGATTTTTTGTAAATCCTGTTTCCAGAGAAGACGAAGAAAGTAC
ATCGAAATGGAGGAGCACCGAACAGCCAGTTCCTGAGCAGTGGTGCCTTACGTGGACAAAGAAATTC
AGCCTAGATTATTTGGCCCTGGACTTCAATTCAGCATCACCAGCCCCATGCAGCAGAAACTTCTCCTT
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CAGGAGTGGACGGATGAAAGGCAATCCAAGTATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_080612

Insert Size: 1761 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: 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:

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_080612.3](#)

RefSeq Size: 4761 bp

RefSeq ORF: 1761 bp

Locus ID: 139716

UniProt ID: [Q8WWW8](#)

Cytogenetics: Xq28

MW: 65.6 kDa

Gene Summary: This gene is a member of the GRB2-associated binding protein gene family. These proteins are scaffolding/docking proteins that are involved in several growth factor and cytokine signaling pathways, and they contain a pleckstrin homology domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. The protein encoded by this gene facilitates macrophage differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
 Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.