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Product datasheet for SC331300

GBF1 (NM_001199378) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: GBF1 (NM_001199378) Human Untagged Clone

Tag: Tag Free

Symbol: GBF1

Synonyms: ARF1GEF

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331300 representing NM_001199378.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGTGGATAAGAATATTTACATCATTCAAGGGGAGATTAACATTGTGGTTGGGGCCATCAAACGAAAT
GCCCGATGGAGCACCCATACACCACTGGATGAAGAACGGGATCCTCTGCTGCATAGTTTCGGTCATCTA
AAGGAGGTTTTAAACAGTATAACAGAACTCTCAGAAATTGAGCCCAATGTATTCCTTCGACCTTTTCTG
GAAGTGATTCGCTCTGAAGATACCACTGGCCCTATCACTGGACTGGCACTCACCTCTGTCAACAAGTTC
CTGTCCTATGCACTCATAGATCCCACCCATGAGGGCACAGCAGAGGGCATGGAGAACATGGCAGATGCT
GTCACCCATGCTCGTTTTGTGGGCACGGATCCTGCCAGTGATGAAGTTGTCCTGATGAAAATCCTTCAG
GTTCTACGGACTCTGCTGCTAACCCCAGTGGGTGCCCACCTAACCAATGAATCTGTGTGTGAGATTATG
CAGTCTTGCTTCCGGATCTGCTTTGAAATGAGGCTCAGTGAGTTATTGAGAAAATCCGCAGAGCACACT
CTCGTAGACATGGTGCAGCTGCTCTTCACAAGGTTACCTCAGTTTAAAGAAGAACCCAAGAACTATGTG
GGGACCAACATGAAGAAGCTGAAAATGAGAGCCGGAGGCATGAGTGATTCATCCAAATGGAAGAAACAG
AAGAGATCCCCTCGGCCCCCACGCCATATGACCAAAGTCACACCAGGTTCAGAGCTGCCCACTCCCAAT
GGAACCACCTTATCATCTAACCTCACTGGTGGCATGCCCTTCATTGATGTGCCCACTCCCATCTCCTCT
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CCTGGAAGCAGTGAGCTAGGTGTTCCCGAGCAGCCTGACCTCCAGCAGGAAGGGACCCATGTGGAAAAG
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AACAGCCTCACCCAGCAAGAGAAGAAGGAGACAGCCAGACCAAGCTGTGAGATAGTAGATGGCACCCGA
GAAGCTAGCAATACTGAGAGAACTGCCAGCGATGGGAAAGCTGTAGGCATGGCCTCAGACATCCCAGGC

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CTGCATCTGCCAGGTGGAGGGCGGCTGCCACCAGAACATGGGAAATCAGGATGCAGTGATCTGGAGGAA
GCTGTTGACTCTGGGGCTGACAAAAAGTTTGCCCGGAAGCCACCCCGATTTTCCTGTCTCCTGCCAGAT
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CGATCAGCCACAGATGCCGATGTGGTCAACAGTGGTTGGTTAGTGGTTGGGAAGGATGACGTTGATAAC
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GATTTGGGGCCACACGACACTAAGTCTCTGCTTAAGTGTGTGGAATCGCTGTCCTTCATCGTGCGTGAT
GCTGCCCACATCACACCTGACAACTTTGAGCTCTGCGTCAAGACTCTCCGGATCTTTGTGGAGGCCAGT
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TTCAAGAAGAAATCCAAAGAGGGATCAATGCTTCGCCGGCCTCGAACCTCCAGCCAACATGCCTCTCGG
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CTAGACCTGATGCACACCCTGCACACGCGGGCAGCCTCTATCTACAGCTCATGGGCGGAGGAGCAACGC
CACCTGGAGACAGGTGGCCAGAAGATTGAAGCTGATTCTCGCACCCTCTGGGCCCACTGCTGGTGCCCT
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ATTTTCCACAGTGCAGATGCACGGGGAGGCGGCCCCTCGGCCCTCTGGGAGATCACCTGGGAACGCATT
GACTGTTTTCTCCCTCACCTACGAGATGAACTCTTCAAGCAGACCGTCATCCAGGACCCCATGCCCATG
GAGCCTCAAGGCCAAAAGCCTCTCGCCTCAGCCCACCTGACTTCCGCTGCTGGCGACACTAGGACACCT
GGCCATCCACCGCCCCCAGAGATTCCATCTGAGCTGGGGGCCTGTGACTTTGAGAAGCCCGAGAGCCCC
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GACGGGCCTCCACCCTTGGCTCAGCCCCCACTGATCCTGCAGCCCTTGGCCTCCCCACTGCAGGTGGGC
GTGCCACCTATGACTCTGCCCATCATCCTCAACCCTGCGCTCATCGAGGCCACCTCACCAGTGCCCCTC

CTGGCCACACCCCGCCCCACAGATCCCATACCCACCTCTGAGGTCAACTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001199378
Insert Size:	5571 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).
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_001199378.1
RefSeq Size:	6441 bp
RefSeq ORF:	5571 bp
Locus ID:	8729
UniProt ID:	Q92538
Cytogenetics:	10q24.32
MW:	206.1 kDa
Gene Summary:	This gene encodes a member of the Sec7 domain family. The encoded protein is a guanine nucleotide exchange factor that regulates the recruitment of proteins to membranes by mediating GDP to GTP exchange. The encoded protein is localized to the Golgi apparatus and plays a role in vesicular trafficking by activating ADP ribosylation factor 1. The encoded protein has also been identified as an important host factor for viral replication. Multiple transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010] Transcript Variant: This variant (2) uses multiple alternate in-frame splice sites in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.