

Product datasheet for **SC308995**

GBF1 (NM_004193) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBF1 (NM_004193) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBF1
Synonyms:	ARF1GEF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF Sequence for NM_004193. The custom clone sequence may differ by one or more nucleotides

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ATGGTGGATAAGAATATTACATCATTCAAGGGGAGATTAAACATTGTGGTTGGGGCCATC
AAACGAAATGCCCGATGGAGCACCCATACACCACTGGATGAAGAACGGGATCCTCTGCTG
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AAGCTTATGGAGATCATCACTGTGGAGAACCCCAAGATGCCTTATGAGATGAAGGAGATG
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 CCACCCTTGGCTCAGCCCCACTGATCTGCAGCCCTTGGCCTCCCCACTGCAGGTGGGC
 GTGCCACCTATGACTCTGCCATCATCCTCAACCCTGCGCTCATCGAGGCCACCTACCA
 GTGCCCTCTGGCCACACCCCGCCCCACAGATCCCATACCCACCTCTGAGGTCAAC

Restriction Sites:	Please inquire
ACCN:	NM_004193
Insert Size:	6400 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_004193.1, NP_004184.1</u>
RefSeq Size:	6376 bp
RefSeq ORF:	5580 bp
Locus ID:	8729
UniProt ID:	<u>Q92538</u>
Cytogenetics:	10q24.32
Domains:	Sec7

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 (1) represents the longest transcript and encodes the longest isoform (1).