

Product datasheet for MC207095

Golph3 (BC031445) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golph3 (BC031445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Golph3
Synonyms:	4733401N08Rik; 5730410D03Rik; AW413496
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC031445 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCTCGTGACCCAGCGGAGCTCGGGCCTGGTGCAGCGGCGCACCGAGGCCTCCCGAACGCTGCCG
 ACAAGGAGCGGGCGGGAGGCGGGCGGCGGCGAGCGGCGAGGACGAGCGCAGAGCCGCCGACGAGCA
 GGACGACGACGACAAGGGCGACTCCAAGGAAACGCGGTGACCCTGATGGAGGAGGTGCTCCTGCTGGGC
 CTCAAGGACCGAGAGGGTTACACATCATTTTGAATGACTGTATATCATCTGGATTACGTGGCTGTATGT
 TAATTGAATTAGCTTTGAGAGGAAGGTTACAGTTAGAGGCTTGTGAATGAGAAGAAAAAGTCTTTAAC
 CAGAAAGGTGATCTGTAAATCGGATGCTCCAACAGGGGATGTTCTTCTTGATGAAGCTCTAAAGCATGTT
 AAGGAGACTCAGCTCCAGAGACAGTCCAGAACTGGATTGAGTTACTTAGTGGAGAGAACAGATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC031445
Insert Size:	489 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC031445</u> , <u>AAH31445</u>
RefSeq Size:	2861 bp
RefSeq ORF:	488 bp
Locus ID:	66629
Cytogenetics:	15 A1
Gene Summary:	Phosphatidylinositol-4-phosphate-binding protein that links Golgi membranes to the cytoskeleton and may participate in the tensile force required for vesicle budding from the Golgi. Thereby, may play a role in Golgi membrane trafficking and could indirectly give its flattened shape to the Golgi apparatus. May also bind to the coatamer to regulate Golgi membrane trafficking. May play a role in anterograde transport from the Golgi to the plasma membrane and regulate secretion. Has also been involved in the control of the localization of Golgi enzymes through interaction with their cytoplasmic part. May play an indirect role in cell migration. Has also been involved in the modulation of mTOR signaling. May also be involved in the regulation of mitochondrial lipids biosynthesis (By similarity).[UniProtKB/Swiss-Prot Function]