

Product datasheet for **RG208433**

PLEKHA3 (NM_019091) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHA3 (NM_019091) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHA3
Synonyms:	FAPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208433 representing NM_019091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGGGGTGTGTACAAGTGGACCAACTATCTCACAGGCTGGCAGCCTCGTTGGTTTGTTTAGATA
ATGGAATCTTATCCTACTATGATTCACAAGATGATGTTTGCAAAGGGAGCAAAGGAAGCATAAAGATGGC
AGTTTGTGAAATTAAGTTCATTAGCAGACAACAAGAATGGAATTAATCATTCTGGAGAGCAGCAT
TTCTACATGAAGGCAGTGAATGCAGCTGAAAGACAGAGGTGGCTGGTCGCTCTGGGGAGCTCCAAGCAT
GTTTGACTGATACAAGGACTAAAAAAGAAAAAGAAATAAGTGAAACCAGTGAATCGCTGAAAACCAAAT
GTCTGAACTTCGCCTCTACTGTGACCTCTAATGCAGCAAGTTCATACAATACAGGAATTTGTTCCACAT
GATGAGAATCATTTCATCTCCTAGTGCAGAGAACATGAATGAAGCCTCTTCTCTGCTTAGTGCCACGTGTA
ACACATTCATCACAACGCTTGAGGAATGTGTGAAGATAGCCAATGCCAAGTTAAACCTGAGATGTTTCA
ACTGCACCATCCGGATCCCTTAGTTTCTCCTGTGTACCTTCTCCTGTTCAAATGATGAAGCGTTCTGTC
AGCCACCCTGGTCTTGCAGTTCAGAGAGGAGTAGCCACTCTATAAAGAACCAGTATCTACACTTACC
GACTCTCCAGCGACGCCGAAGAACCTACTCAGATACAGATTCTGTAGTGATATTCCTCTTGAAGACCC
AGATAGACCTGTTCACTGTTCAAAAAATACACTTAATGGAGATTTGGCATCAGCAACCATTCTGAAGAA
AGCAGACTTATGGCCAAAAACAATCTGAATCAGAAGATACTCTCCATCCTTCTCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208433 representing NM_019091
 Red=Cloning site Green=Tags(s)

MEGLVLYKWTNYLTGWQPRWFLDNGILSYDYSQDDVCKGSKGSIKMAVCEIKVHSADNTRMELIIPGEQH
 FYMKAVNAAERQRWLVALGSSKACLTDTRTKKEKEISETSESLKTKMSELRLYCDLLMQQVHTIQEFVHH
 DENHSSPSAENMNEASSLLSATCNTFITLLEECVKIANAKFKPEMFQLHHPDPLVSPVSPSPVQMMKRSV
 SHPGSCSSERSHSIKEPVSTLHRLSQRRRRTYSDTDCSDIPLDPRPVDHCKNTLNGDLASATIPEE
 SRLMAKKQSESEDTLPSFSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019091

ORF Size: 900 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_019091.4](#)

RefSeq Size: 2516 bp

RefSeq ORF: 903 bp

Locus ID: 65977

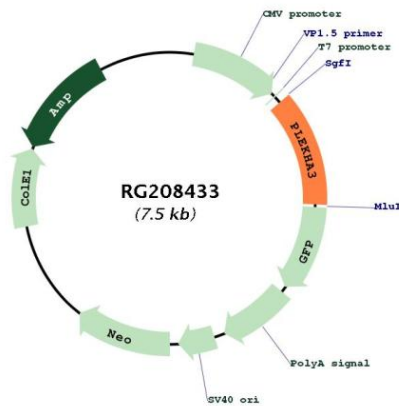
UniProt ID: [Q9HB20](#)

Cytogenetics: 2q31.2

Domains: PH

Gene Summary: Involved in Golgi to cell surface membrane traffic. Induces membrane tubulation. Binds preferentially to phosphatidylinositol 4-phosphate (PtdIns4P).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208433