

Product datasheet for **MC207874**

Rab3ip (NM_001003950) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab3ip (NM_001003950) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rab3ip
Synonyms: B230311A06; Gtpat12; Rabin3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207874 representing NM_001003950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTAACGACCCCTTGAAGGCTTCCATGAAGTGAACCTTGCTTCGCCTACTTCTCCAGACCTTCTTG
 GTGTGTGTGACCCGGGAACCCAAGAGCAGACTACCTCCCCGAGCGTCATCTACCGCCACACCCCTCCAC
 GTTATGCGCTGCCCTCTCCAGGCAATGCCTTAGATCTTCTGATCTTCTACACAACCTGTGTATTCCG
 TCCCCAGGCATTTCAACTGTGCAGAAGTATCTAATATCAGCGCTCATGCTCCGGATCCAGCATCATCGG
 TACCCTCTGCGGTAGCATCAGGGCTCACGAAGTTAACCTCCAGGAAGGACAGCTGTAATGCAGAGAGGGA
 GTTTCTGCAGGGCGCCACCATCACCGAGGCTTCTGCTGGCAATGATGACATCTTTGGGTTGAGCAGGGAT
 AGCCTGTGCGGTTTACGAAGCCCATCTGTTCTGGAAGTTAGAGAGAAGGGCTACGAAAGGTTAAAGGAAG
 AACTTGCAAAAGCTCAGAGGGAAGCTCACAAAGTGGTGAAGGAAGCGAACGTCAGCAAGCCACTGCAGA
 GAAGCAGCTGAAGGAAGCCAGGGGAAAATTGATGTACTTCAGGCTGAAGTGGCCGCTCTGAAGACACTC
 GTACTGTCCAGTTCTCCAACATCGCCTACGCAGGAGCCTCTGGCGGCTGCAAAGACCCCTTTAAAGGG
 GGCACACAAGGAACAAAAGTACAAGCAGCGCCATGGGTGGGAGCCACAGGACTTGAGTGTATCCAGCC
 AATCGTAAAAGACTGCAAAGAGGCTGATTTATCGCTGTATAATGAGTTCAGATCTTGAAGGATGAGCCC
 ACGATGGACAGAACGTGTCTTTCTGGACAAAATCTACCAGGAGGACATCTTCCATGTTTAAACATTTG
 CAAAGAGTGAGTTGGCTTCTGAGGCTGTGGAGAACAACACTCTAAGCATCGAACCAGTGGG
 GTTGCAGCCCATCCGCTTCTGTAAGGCTTCCGCTGTCGAGTGGGAGGGCCAAAAAGTGTGCGCTCACT
 GGCCAGAGTAAGCCCTGCAGGCACAGGATTAGGCTCGGGACTCCAGCTGCTGTTACTACATCTCTCCTT
 TCTGCAGATACAGGATCACTTCTGTATGTAACCTTTTTACATACATTGATACATTGAGCAGGGACTCGT
 GAAACAGCAGGATGTCGATCAGATGTTTTGGGAAGTTATGCAGTTGAGAAAGGAGATGTCGTTGGCAAAG
 CTGGGATATTTCAAAGAGGAAC**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001003950
Insert Size:	1287 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:	<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.
RefSeq:	<u>NM_001003950.2</u> , <u>NP_001003950.1</u>
RefSeq Size:	2690 bp
RefSeq ORF:	1287 bp
Locus ID:	216363
UniProt ID:	<u>Q68EF0</u>
Cytogenetics:	10 64.96 cM
Gene Summary:	Guanine nucleotide exchange factor (GEF) which may activate RAB8A and RAB8B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. Mediates the release of GDP from RAB8A and RAB8B but not from RAB3A or RAB5. Modulates actin organization and promotes polarized transport of RAB8A-specific vesicles to the cell surface. Together with RAB11A, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (By similarity). [UniProtKB/Swiss-Prot Function]