

Product datasheet for **RC226885**

RAB1A (NM_015543) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB1A (NM_015543) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RAB1A
Synonyms: RAB1; YPT1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226885 representing NM_015543
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGTCCAGCATGAATCCGAATATGATTATTTATTCAAGTTACTTCTGATTGGCGACTCAGGGTTGGAA
AGTCTTGCCTTCTTCTTAGGTTTGCAGATGATACATATACAGAAAGCTACATCAGCACAATTGGTGTGGA
TTTCAAATAAGAACTATAGAGTTAGACGGGAAAACAATCAAGCTCAAATAGAATTTGCTGATTCCCTT
GGAATCCGTTTTTGGAAACAGTGCTAAGAATGCAACGAATGTAGAACAGTCTTTCATGACGATGGCAG
CTGAGATTAATAAGCGAATGGGTCCCGGAGCAACAGCTGGTGGTCTGAGAAGTCCAATGTTAAATTCA
GAGCACTCCAGTCAAGCAGTCAGGTGGAGTTGCTGC**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC226885 representing NM_015543
Red=Cloning site Green=Tags(s)

MSSMNPEYDYLFKLLLIIGDSVGVKSCLLLRFADDTYTESYISTIGVDFKIRTIELDGKTIKIQIEFADSL
GIPFLETSAKNATNVEQSFMTMAAEIKRMPGATAGGAEKSNVKIQSTPVKQSGGGCC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<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:	NM_015543.1 , NP_056358.1
RefSeq ORF:	390 bp
Locus ID:	5861
UniProt ID:	P62820
Cytogenetics:	2p14
Protein Families:	Druggable Genome
MW:	13.7 kDa
Gene Summary:	This gene encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms. [provided by RefSeq, Oct 2008]