

Product datasheet for RN211376

Prkab1 (NM_031976) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkab1 (NM_031976) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkab1
Synonyms:	5'-AMP-activatedproteinkinasebetasubunit; 5-AMP-activatedproteinkinasebetasubunit
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211376 representing NM_031976 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCAATACGAGCAGCGAGCGCGCCGCTGGAGCGGCAGGCTGGCCATAAGACGCCGCGGAGGGACA
GCTCGGAGGGCACCAAGGATGGGGACAGGCCAAGATCCTGATGGACAGCCCCGAAGACGCCGACATCTT
CCACACCGAGGAAATGAAGGCTCCAGAGAAGGAGGAGTTCCTGGCGTGGCAGCACGACCTCGAGGTGAAT
GAGAAAGCCCCCGCCAGGCTCGGCCACCGTATTCGATGGACAGGGGTGGAAAGGAGGTCTACTTGT
CTGGATCCTTCAACAACCTGGAGCAAATTGCCCTCACTAGAAGCCAAAACAACCTCGTAGCCATCCTGGA
CCTNCCGGAAGGAGAGCATCAGTACAAGTCTTTGTGGATGGCCAGTGGACCCACGATCCTTCCGAGCCA
ATAGTAACCAGCCAGCTTGGCACAGTTAACAACATCATTCAAGTGAAGAAAACCTGACTTTGAAGTATTTG
ATGCTTTAATGGTGGATCCCAAAGTGCCTCGATGTATCTGAGCTGTCCAGTTCACCCAGGACCCTA
CCACCAGGAGCCTTACATCTCTAAACCAGAGGAGCGGTTCAAGGCCCGCCATCCTCCCGCCTCACCTG
CTGCAGGTCATCTTGAACAAGGACACGGGCATCTCTTGTGATCCAGCGCTGCTTCCGAGCCCAACCAG
TCATGCTGAACCACCTCTATGCACTCTCTATCAAGGATGGAGTGATGGTGCTCAGTGCACCCATCGGTA
CAAGAAAAGTACGTACCACCCTCCTCTACAAGCCCATATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031976
Insert Size:	813 bp



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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:	NM_031976.1 , NP_114182.1
RefSeq Size:	1978 bp
RefSeq ORF:	813 bp
Locus ID:	83803
UniProt ID:	P80386
Cytogenetics:	12q16
Gene Summary:	may facilitate the association of the heterotrimeric AMP-activated protein kinase; may phosphorylate and inactivate enzymes involved in lipid metabolism; may play a role in response to metabolic stress [RGD, Feb 2006]