

Product datasheet for SC316352

PRAS40 (AKT1S1) (NM_001098633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAS40 (AKT1S1) (NM_001098633) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKT1S1
Synonyms:	Lobe; PRAS40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316352 representing NM_001098633. Blue=Insert sequence Red=Cloning site Green=Tag(s)

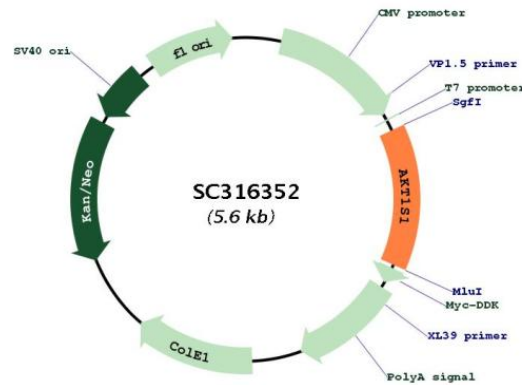
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGTCGGGGCGCCCCGAGGAGCTGTGGGAGGCCGTGGTGGGGCCGCTGAGCGCTTCCGGGCCCCG
ACTGGCACGGAGCTGGTGTCTGACCGCGGCCCGCCGCCACCACCCCGCCGGGCCCTGTGCCTAT
GCTGCCCATGGTCGAGGAGCCCTGGCGGAGGCAGCGCCGCTTGCCTCCACGACATCGCACTGGCCAC
AGGGCTGCCACTGCTGCTCGGCCTCTGCGCCCCACCAGCACCACGCCACCCAGTCCCACACCCAGC
CCACCCCGGCCTACCCTGGCCAGAGAGGACAACGAGGAGGACGAGGATGAGCCCACAGAGACAGAGACC
TCCGGGGAGCAGCTGGGCATTAGTGATAATGGAGGGCTCTTTGTGATGGATGAGGACGCCACCCTCCAG
GACCTTCCCCCTTCTGTGAGTCAGACCCCGAGAGTACAGATGATGGCAGCCTGAGCGAGGAGACCCCC
GCCGGCCCCCCCACCTGCTCAGTGCCCCAGCCTCAGCCCTACCCACACAGCAGTACGCCAAGTCCCTG
CCTGTGTCTGTGCCCGTCTGGGGCTTCAAGGAGAAGAGGACAGAGGCGCGGTTCATCAGATGAGGAGAAT
GGGCCGCCCTTTCGCCCGACCTGGACCGCATCGCGGCGAGCATGCGCGCGCTGGTGTGCGAGAGGCC
GAGGACACCCAGGTCTTCGGGGACCTGCCACGGCCGCGGCTTAACACCAGCGACTCCAGAAGCTGAAG
CGGAAATATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001098633

Insert Size: 771 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001098633.3](#)

RefSeq Size: 1813 bp

RefSeq ORF:	771 bp
Locus ID:	84335
UniProt ID:	<u>Q96B36</u>
Cytogenetics:	19q13.33
MW:	27.4 kDa
Gene Summary:	<p>AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, 4, and 5 encode the same isoform (b).</p>