

## Product datasheet for **SC126155**

### PRAS40 (AKT1S1) (BC016043) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAS40 (AKT1S1) (BC016043) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAS40
Synonyms:	AKT1 substrate 1 (proline-rich); Lobe; MGC2865; OTTHUMP00000196757; OTTHUMP00000196758; OTTHUMP00000196759; OTTHUMP00000196760; PRAS40; proline-rich Akt substrate, 40 kDa
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	<p>&gt;OriGene sequence for NM_001098632 edited</p> <pre> GGATAACGGGATGAAGCCGTCACTGCCCCAGAAAACGAAGCGCCCGGACGAATTTCTG AGTCACCGTCGCGAGAAAGCGGGCTGAGCCGCCATTTTGAAGCCTGGCAAACCGAAGCAA GAAATGCTGCCGTGTTGGATCTTTGCCAGCCTTCGTGCCGAATGGGAGCAGGGCGCGGAT GGCGTCGGGGCGCCCCGAGGAGCTGTGGGAGGCCGTGGTGGGGCCGCTGAGCGCTTCCG GGCCCCGACTGGCACGGAGCTGGTGTCTGACCAGCCCGCCCGCCACCACCCCGCCC GGGCCCTGTGCCTATGCTGCCATGGTCGAGGAGCCCTGGCGGAGGCAGCGCGCCGTTG CCTCCACGACATCGCACTGGCCACAGGGCTGCCACTGCTGCTCGGCCTCCTGCGCCCCC ACCAGCACACAGCCACCAGTCCACACCCAGCCACCCCGGCCTACCCTGGCCAGAGA GGACAACGAGGAGGACGAGGATGAGCCACAGAGACAGAGACCTCCGGGGAGCAGCTGGG CATTAGTGATAATGGAGGGCTCTTTGTGATGGATGAGGACGCCACCCTCCAGGACCTTCC CCCCTTCTGTGAGTCAGACCCCGAGAGTACAGATGATGGCAGCCTGAGCGAGGAGACCCC CGCCGGCCCCCCCCACCTGCTCAGTGCCCCAGCCTCAGCCCTACCCACACAGCAGTACGC CAAGTCCCTGCCTGTGTCTGTGCCCGTCTGGGGCTTCAAGGAGAAGAGGACAGAGGCGCG GTCATCAGATGAGGAGAATGGGCGCCCTTTCGCCCCGACTGGACCGCATCGCGCGAG CATGCGCGCGCTGGTGTGCGAGAGGCCGAGGACACCCAGGTCTTCGGGGACCTGCCACG GCCGCGGCTTAACACCAGCGACTTCCAGAAGCTGAAGCGGAAATATTGAAGTCCAGGGAG GGAGCGCCCCGGGCCGCTCCGCCCCGTCCCACTACGCCCCCGCCCCACTCCCGGGGC CTGCTAATCTGAGGCCGATCCGGGACCGGCCTCCTTGCCTCTCCCAATTCCTCAATTGGCTC CAGTTCTTGGGGCGTGGCCAAGCCCTCCTTCCCAGAATTGGCCCGGGGCTTCAAT TTACGTTCTTTACTACGCGGACTGGGGTCTGTTGCCACGTCCCGACAACCTGTTC CCTGACCCCTCAGGGATGGCCCAACTGTCCCTGCCTTGGCACCCCTTTTATTGGT TCCATCCATCCCAACAACAGCCTGCCAATCGAAGCCCGTCCCTGCATCCAGGATGGTACC AGCTCCCGCCCTCGCCCCCACCTCCACAGGTGCCTTAAAGGGCCCTCGTCCACCCAAG GTGGGGGCGAGGGCCCTCACTTCCGGCCCTGGTGTGGGGGAGAGAGTGGGGTTGGG GGATCGGCAGTTGGGAGGGCGCTCTGAGATTAAGAGTTTTACCTCTGAGATAAAAAAA AAAAAAAAAA </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC016043
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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:** [BC016043.1](#), [AAH16043.1](#)

**RefSeq Size:** 1511 bp

**Locus ID:** 84335

**Cytogenetics:** 19q13.33

**Gene Summary:** 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]