

Product datasheet for **SC334874**

PRAS40 (AKT1S1) (NM_001278159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAS40 (AKT1S1) (NM_001278159) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKT1S1
Synonyms:	Lobe; PRAS40
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278159, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCGGGGCGCCCCGAGGAGCTGTGGGAGGCCGTGGTGGGGCCGCTGAGCGCTTCCGGGCCGGA
CTGGCACGGAGCTGGTGTGCTGACCGCGGCCCGCCACCACCCCGGGCCCTGTGCCTATGC
TGCCCATGGTCGAGGAGCCCTGGCGGAGGCAGCGCCGTTGCCTCCACGACATCGCACTGGCCACAGG
GCTGCCACTGCTGCTCGGCCTCTGCGCCCCACCAGCACACAGCCACCCAGTCCACACCCAGCCAC
CCCGGCCTACCCTGGCCAGAGAGACAACGAGGAGGACGAGGATGAGCCACAGAGACAGAGACCTCCGG
GGAGCAGCTGGGCATTAGTGATAATGGAGGGCTCTTTGTGATGGATGAGGACGCCACCCTCCAGGACCTT
CCCCCTTCTGTGAGTCAGACCCGAGAGTACAGATGATGGCAGCCTGAGCGAGGAGACCCCGCCGGCC
CCCCACCTGCTCAGTGCCTCCAGCCTCAGCCCTACCCACACAGCAGTACGCCAAGTCCCTGCCTGTGTC
TGTGCCCGTCTGGGGCTCAAGGAGAAGAGGACAGAGGCGCGGTTCATCAGATGAGGAGAATGGGCCGCC
TCTTCGCCCGACCTGGACCGCATCGCGGCGAGCATGCGCGCGCTGGTGTGCGAGAGGCCGAGGACCC
AGGTCTTCGGGGACCTGCCACGGCCCGGGCTTAACACCAGCGACTCCAGAAGCTGAAGCGGAAATTG
A
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001278159
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).



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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_001278159.1](#), [NP_001265088.1](#)

RefSeq Size: 2038 bp

RefSeq ORF: 771 bp

Locus ID: 84335

UniProt ID: [Q96B36](#)

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]

Transcript Variant: This variant (4) 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).