

Product datasheet for **SC126007**

PRAS40 (AKT1S1) (NM_032375) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAS40 (AKT1S1) (NM_032375) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAS40
Synonyms:	Lobe; PRAS40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_032375 edited
GACAGCTGGAAGAGCCGAACGGATAAGAGAAGAGGAGGTGAGAGGAGCTGTACACCACAA
GAGGCACTGAGGGACTCAGGATAACGGGATGAAGCCGTCAGTGCCCCAGAAACGAAGCG
GCCCCGGACGAATTTCTGAGTCACCGTCGCGAGAAAGCGGGCTGAGCCGCCATTTTGAAG
CCTGGCAAACCGAAGCAAGAAATGCTGCCGTGTTGGATCTTGGCAGCCTTCGTGCCGAA
TGGGAGCAGGTTGGAGGGAGGGAGACCAATATACACTATGGGCTGATTAAGCCCGTTG
GCTGCCATGTTGTTAACGAGCACCGATTTCCTCTACTTTTGTGGAAGAAGTTTATTGTGG
GTCAGGGACGTCAGGTCGCTTGCCTTCGTTTACTGTGGTCATGATTGAGCATATGAGGAC
GGCCATTATTGTTGGGGCAAATGGAAATGCTCTAGGCGGGGCCATTTTTCTTAGGGCA
AGCTGTGCTCACCTTGTCAACTGGTTCGGATGAAGCCCCTGTGGCCGCCATCTTGATCT
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GCTCGGCCTCTGCGCCCCACCAGCACACAGCCACCCAGTCCCACACCAGCCACCC
CGGCTACCCTGGCCAGAGAGGACAACGAGGAGGACGAGGATGAGCCACAGAGACAGAG
ACCTCCGGGAGCAGCTGGGCATTAGTGATAATGGAGGGCTCTTTGTGATGGATGAGGAC
GCCACCCTCCAGGACCTTCCCCCTTCTGTGAGTCAGACCCCGAGAGTACAGATGATGGC
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TACCCACACAGCAGTACGCCAAGTCCCTGCCTGTGTCTGTGCCCGTCTGGGGCTTCAAG
GAGAAGAGGACAGAGGCGGGTCAATCAGATGAGGAGAATGGGCGGCCCTTTCGCCCGAC
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TGCCGCGCGGAGGAGCGGCATCTGTCCCGTTTCCCGATTGGGTCTGTCGTCTCTCCGC
CTAGCGACAGATTCCTTCTATTAAGGGATTGGCTCGCTGAGTTCTAAGCTCTAAATGGT
CAACTCCTTTGTTTTCCGCTAGCGACAAGGGATTTGCTCGCACGGCATTGGCTCCATCC
CCTAGTCGCTGGACAGCTCTTTTTTGGATTGGCTCAAATCCTGTAAGGGCTTGACCAGT
CTCTACATAGTCACCGTCCGCTTTTCTGAGTTCTCCCTCCCAATTGGCTCCAGTTCCT
GGGGCGTGGCCAAGCCCTCCTTCCCAGAAATGGCCCGGGGCTTCAATTTACGTTCT
TTACACTACGGGGACTGGGGTCTCTTTGCCACGTCCCGACAATTGTTCCCTGACCCC
CTCAGGGATGGCCCCAACTGTCCTGCTCTGGCACCCCTTTTATTGGTTCCATCCAT
CCCCACAACAGCCTGCCAATCGAAGCCCGTCCCTGCATCCAGGATGGTACCAGCTCCCGC
CCCTCGCCCCCACCTCCACAGGTGCCTTAAAGGGCCCTCGTCCACCAAGGTGGGGGC
AGGGCCCTCACTCTCCGGCCCTGGTGTGGGGGAGAGAGTGAGGGGTTGGGGATCGGCA
GTTGGGAGGGGCCCTCTGAGATTAAGAGTTTTACCTCTGAGATAAAAAAAAAAAAAAAA
AAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032375 unedited GGTTCGGATTTGTATACGACTTATATAGGGCGGCCGGAATTCGCACGAGGGACAGCTGG AAGAGCCGAACGGATAAGAGAAGAGGAGGTGAGAGGAGCTGTACACCACAAGAGGCACTG AGGGACTCAGGATAACGGGATGAAGCCGTCAGTGCCCCAGAAACGAAGCGGCCCCGGAC GAATTTCTGAGTACCCTCGCGAGAAAGCGGGCTGAGCCGCCATTTTGAAGCCTGGCAAA CCGAAGCAAGAAATGCTGCCGTGTTGGATCTTTGCCAGCCTTCGTGCCGAATGGGAGCAG GTTGGAGGGAGGGAGAGCCAATATACACTATGGGCTGATTAAGCCCGTTGGCTGCCATG TTGTTAACGAGCACCGATTTCTCTACTTTTGTGGAAGAAGTTTATTGTGGGTCAGGGAC GTCAGGTCGCTTGCCTTCGTTTACTGTGGTCATGATTGAGCATATGAGGACGGCCATTAT TGTGGGGGCAAATGGAAATGCTCTAGGCGGGGCCATTTTCTTAGGGGCAAGCTGTCGT CACCCCTTGCAACTGGTTCGGATGAAGCCCTGTGGCCGCCATCTTGATCTCGGGCGGCC CCGATAAGGGAGGCGGAGTGTGCGGAGAGGAGGCGGGGCAACTGCGCGGACGTGACGCAA GGCGCCGCATGTCTTTGAGGGCGGTGACGGCGCCGGGGCCGCCATGCTGGCTACGGGC ACGGCGCGGATGGCGTCNGGGCGCCCGAGGAGCTGTGGAAGCCCTGGTTTGNNGNCNNT TANNNTTTTCGNNCCGNCTGGCCCGGGCTTGTGCTGCTTGCCGGGGCCCGCGCCCC TCCGGGCGGTCCGGGTCTTCTTGCCTTGCCNGGGCCCGGGGTGCCCCCGCGT TGCTCCCCGCTGTCCGGTCGCTGGG
Restriction Sites:	Please inquire
ACCN:	NM_032375
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:	<u>NM_032375.2</u> , <u>NP_115751.1</u>
RefSeq Size:	2344 bp
RefSeq ORF:	771 bp
Locus ID:	84335
UniProt ID:	<u>Q96B36</u>
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 (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.