

Product datasheet for RC238236

SKAR (POLDIP3) (NM_001278657) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKAR (POLDIP3) (NM_001278657) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POLDIP3
Synonyms:	PDIP3; PDIP46; SKAR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238236 representing NM_001278657 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGACATCTCCCTGGACGAACTCATCAGGAAGCGCGGGCGCGGAAAGGACGGCTTAATGCCA
GACCGGGAGTTGGAGGTGCCGATCTCGAGTTGGGATCCAGCAAGGCCTTCTCAGCCAGTCAACACGCAC
AGCCACCTTCCAGCAGAGATTTGATGCCCGGCAGAAGATTGGCCTCTCAGATGCCCGGCTCAAAGTGGGA
GTCAAGGATGCCCGGGAGAAGCTTTTGCAGAAAGATGCCCGATTTCAATCAAAGGGAAAGTGCAGGATG
CCAGAGAGATGTTGAACTCTCGCAAGCAGCAGACCACGGTGCCTCCAGAAAGCCCGCCAGGTTGCTGATGC
CCGGGAGAAGATCAGCTTGAAGAGGAGTCCCCTGCTGCCTTCATAAACCACCCATTGGGACAGTGACC
CCTGCTCTGAAGCTCACAAAACCATCCAGAGAATGCATGTGGACCCTGTGGGTGGATTCTGACCACTG
AGTGTTCAGGTTCCACAGCAGAAAGCCATGGCACCCTTCATCCCCATCTGCCGGAATGAGAATCAA
TGTTGTCAATAACCACCAGGCCAAACAGAATTTATGACCTGGATGAAGATGATGATGGTATAGCTTCC
GTTCTACTAAACAGATGAAGTTTGCAGCCTCAGGCGGCTTCTCCACCACATGGCTGGGTAAGCAGTT
CCAAGCTTCCATGTCCAAGGCCCTCCCTCACCAAAGTGGTTCAGAATGATGCATACACAGCTCCTGC
TCTCCCTTCTCTATTGCAACAAAAGCCTTGACCAACATGTCCCGGACACTGGTGAACAAGGAAGAACCC
CCCAAAGAGCTGCCAGCTGCTGAGCCTGTTCTCAGCCATTGGAAGGCACCAAGATGACTGTGAATAATC
TGCACCCTCGAGTCACTGAGGAGACATTGTTGAGCTTTTCTGTGTGTGGGGCCCTCAAGCGAGCTCG
ACTGGTCCATCTGGGTAGCGGAGGTGGTGTGTTGTGAAAAAGGACGATGCCATCACCAGCATATAAGAA
TACAACAACCGGTGTCTGGACGGGCAGCCGATGAAGTCAACCTTCATGAATGGGAATGTTATCACCT
CAGACCAGCCATCTGCTGCGGCTGAGTGACAGCCCATCAATGAAAAAGGAGAGCGAGCTGCCTCGCAG
GGTGAAGTCTGCCTCTCTCAACCCCTGCCGAAGTGGACCCTGACACCATCTGAAGGCACCTTC
AAGTCTCAGGGGCTCTGTGACCACGCAGCCACAGAATTCAAAATCAAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238236 representing NM_001278657
 Red=Cloning site Green=Tags(s)

MADISLDELIRKRGAAAKGRLNARPGVGGVRSRVGIQQGLLSQSTRATFQQRFDARQKIGLSDARLKLKGVKDAREKLLQKDARFRIKGVQDAREMLNSRKQTTVPQKPRQVADAREKISLKRSSPAAFINPPIGTVPALKLTKTIQRMHVDVPGWILTTECFQVPQKAMAPLHPHPAGMRINVVNNHQAQNLIDLDEDDDDGIASVPTKQMKFAASGGFLHMHMAGLSSSKLSMSKALPLTKVVQNDAYTAPALPSSIRTKALTNMSRTLVNKEEPKELPAAEPVLSPLEGTMVNNLHPRVTEEDIVELFCVCGALKRARLVHPGVAEVVVFVKDDAITAYKKNYNNRCLDQPMKCNLHMNGNVITSDQPILLRLSDSPSMKKESELPRRVNSASSNPPEVDPDTILKALFKSSGASVTTQPTFEFKIKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

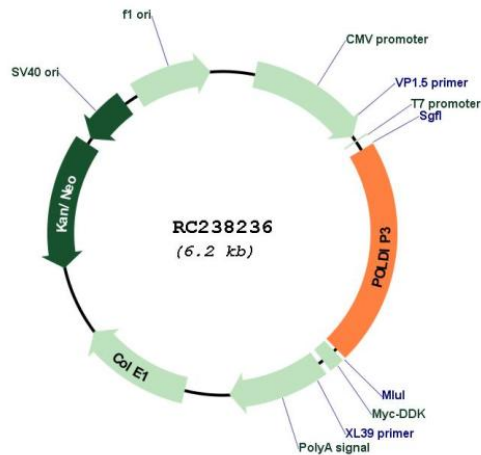
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001278657

ORF Size:	1314 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001278657.1 , NP_001265586.1
RefSeq Size:	3511 bp
RefSeq ORF:	1317 bp
Locus ID:	84271
Cytogenetics:	22q13.2
MW:	48.6 kDa
Gene Summary:	This gene encodes an RRM (RNA recognition motif)-containing protein that participates in the regulation of translation by recruiting ribosomal protein S6 kinase beta-1 to mRNAs. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]