

Product datasheet for **RG228968**

PLEKHA4 (NM_001161354) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHA4 (NM_001161354) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHA4
Synonyms:	PEPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228968 representing NM_001161354
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGGAGCCGACCTCGCAGCAGCCTGAGCCTGGCCAGCAGCGCCTCCACCATCTCCTCGCTCAGCA
 GCCTGAGCCCCAAGAAGCCACCCGGGCAGTAAACAAGGTCCACGCCTTTGGGAAGAGAGCAATGCGCT
 CAGGAGGGATCCCAACCTCCCGTGACATCCGAGGCTGGCTTATAAGCAGGACAGCTCGGGGCTCCGT
 CTCTGGAACGCCGCTGGTTCTGCTCTCCGGCCATTGCCTTTTTATTACAAGGACAGCCGCGAGGAGA
 GTGTCCTAGGCAGCTCTGCTCCCGAGCTACAATATTAGACCAGATGGGCCGGGAGCCCCGAGGGCG
 GCGCTTACCTTACCAGCAGCAGCCGGGCATGAGGACCTACGTTTTGGCCGCTGACACCTTAGAAGAC
 CTGCGGGGCTGGTACGGGCGCTGGGCCGGCCTCCCGTCCGGAGGGGACGACTATGGCAACCCAGGT
 CACCTGCACGACCCAGCCGGGAGGGCCCCGGCGGCCCGGTGGTCCCCGGAGGTGAGCAGAGGGGA
 AGAGGGGCGCATCTCAGAATCACCGAAGTGACTCGACTCTCCAGAGGTCGTGGTAGACCAGGCTGCTC
 ACTCCCAGCCCCACAACCGACTCCACTCTGGACTCCAGATGCGGAGGGCGAGGAGCCCCGACTGTTC
 CCCCCCTCTCTCGCCCTCCCTCGCCTCTGAGCCTCCCCCGTCCCCGTTCTGCCCTGCGCGGCGACCCCC
 TGCCCCCTCAGGAGACACAGACCCCCCTGCCCGACTCACACCCCGTTGAGTCGATTGATGTCGACCT
 CCTCTGGATTGGGGCCCCAACGCCAGACCCCTCTCCCGACCCCTACTCCCCGCCGAGGACTCCCTCTG
 AGGCTGGGGGAGGAAAGCCCCCAGGAGTCCCCAGCACTGGAGTCAGGAGCCAGAACACAGCCGGGTCC
 TCCCTGGAGTCACTTTCCACCAAGCTTGGAGACAGATACGCTGCTGACCAAGTTGTGCGGGCAGGAC
 CGGCTTTCGGGAGGCTGCAGGAGGAGATAGACCAGAAGCAGGAGGAGAAGGAGCAACTAGAAGCAGCTC
 TGGAGTTGACCCGGCAACAGCTGGCCAAGCCACCAGGGAGGCTGGGGCTCCCGGAGGGCTGGGGTCCG
 CCAGCGCCTCTTGCAGGACCGGCTGGTCACTGTGAGGGCCACCCTCTGTCACTTACTGACTCAGGAGCGAGAG
 AGGGTTTGGGACAGTACAGTGGCCTGGAGCAGGAGCTGGGCACCTTAAGAGAGACGCTGGAGTACCTGC
 TGCACCTTGGTTCTCCCGAGGACAGAGTGTCTGCTCAGCAGCAGCTGTGGATGGTGAAGACAGCTGGC
 AGGTCTGGGTGGCCCCAGAAACCGCCCCACACTGAGCCTGACTCCCCATCTCCCGTCTCCAGGGC
 GAGGAGTCTCAGAGAGGGAGAGCCTGCCAGAGTCTTGGAACTGAGCTCCCCTAGGTCCCCGAGACTG
 ACTGGGGCGGCCTCTGGAGGCGACAAAGACCTGCCAGCCCTCACTTAGGTCTGGGTCTCCGAGGGT
 CTCCCGGGCTTCCAGCCCTGAGGGTCGCCACCTCCCTTCCCACAGCTAGGAACCAAGTCCAAGGAACAC
 CACCCCTACTTCCGACTTCCGAAGTACCCGGGAGCGGTTCTCAGCCTCTCCAAGCCCTGGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228968 representing NM_001161354
 Red=Cloning site Green=Tags(s)

MEGSRPRSSLSLASSASTISSLSLSPKPKTRAVNKVHAFGKRGNALRRDPNLPVHIRGWLHKQDSSGLR
 LWKRRWFVLSGHCLFYKDSREESVLSVLLPSYNIKRPDGPAPRRRFTTAEHPGMRTYVLAADTLED
 LRGWLRALGRASRAEGDDYQPRSPARPQPEGPGGPPPEVSRGEEGRISSEPEVTRLRGRGRPRLL
 TSPSTDLHSLQMRARSPDLFTPLSRPPSPLSLPRPRSAPARRPPAPSGDTAPPARPHPLSRIDVRP
 PLDWGPQRQTLRPPTPRRGPPSEAGGGKPPRSPQHWSQEPRTPGPPLESTFHQSLETDTLLTKLCGQD
 RLLRRLQEEIDQKQEEKEQLEAALELTRQQLGQATREAGAPGRAWGRQRLLDRLVSVRATLCHLTQERE
 RVWDTYSGLEQELGTLRETLEYLLHLGSPQDRVSAQQQLWMVEDTLAGLGGPQKPPPHTEPDSPSPVLQ
 EESSERESLPESLELSSPRSPETDWGRPPGGDKDLASPHLGLGSPRVSRASSPEGRHLPSPQLGTKSKEH
 HPLLADFRRSPGAGSQPLPSPGY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_001161354.1 , NP_001154826.1
RefSeq Size:	2808 bp
RefSeq ORF:	1752 bp
Locus ID:	57664
UniProt ID:	Q9H4M7
Cytogenetics:	19q13.33
Gene Summary:	This gene encodes a pleckstrin homology (PH) domain-containing protein. The PH domain is found near the N-terminus and contains a putative phosphatidylinositol 3, 4, 5-triphosphate-binding motif (PPBM). Elevated expression of this gene has been observed in some melanomas. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2017]