

## Product datasheet for RC212016

### PHOS (PDC) (NM\_022576) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PHOS (PDC) (NM\_022576) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PHOS  
**Synonyms:** MEKA; PHD; PhLOP; PhLP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC212016 representing NM\_022576  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTCTCCTCAGAGTAGGAATGGCAAAGATTCAAAGGAACGAGTCAGCAGAAAGATGAGCATTCAAG  
 AATATGAACTAATCCATAAAGAGAAAGAGGATGAAAACGCCTTCGTAATACCGTAGACAGTGTATGCA  
 GGATATGCACCAGAAGCTGAGTTTGGGCTAGATATGGGTTTGTGTATGAGCTGAAAACGGAAAGCAA  
 TTCTAGAAAATTGAAAAGGAACTGAAGATCACCACAATTGTTGTTACATTTATGAAGATGGTATTA  
 AGGTTTGTGATGCTCTAACAGTAGTTTAACATGCCTTGCAGCAGAATACCTATAGTTAAGTTTTGTAA  
 AATAAAAGCTTCGAATACAGGTGCTGGGACCGCTTTTCCTTAGATGTACTTCTACACTGCTCATCTAT  
 AAAGGTGGGAACTCATAAGCAATTTTATTAGTGTGCTGAACAGTTTGTGTAAGAATTTTTGCTGGGG  
 ATGTGGAGTCTTCTAAATGAATATGGTTACTACCTGAAAGAGAGGTACATGTCCTAGAGCATACCAA  
 AATAGAAGAAGAAGATGTTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212016 representing NM\_022576  
 Red=Cloning site Green=Tags(s)

MSSPQSRNGKDSKERVSRKMSIQEYELIHKEKEDENCLRKYRRQCMQDMHQKLSFGPRYGFVYELETGKQ  
 FLETIEKELKITTIVVHIYEDGIKGDALNSSLTCLAAEYPIVKFKIKASNTGAGDRFSLDVLPTLLIY  
 KGGELISNFISVAEQFAEEFFAGDVESFLNEYGLLPEREVHVLEHTKIEEEDVE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

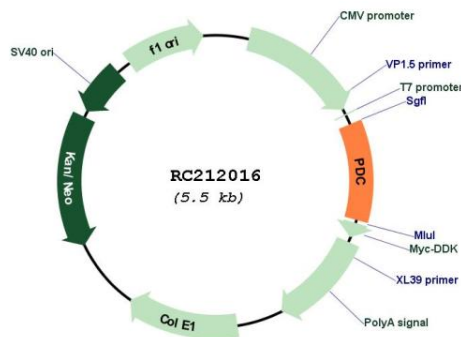


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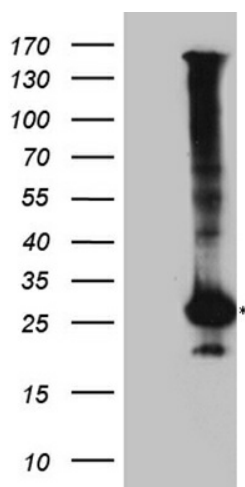


UniProt ID:	<a href="#">P20941</a>
Cytogenetics:	1q31.1
Protein Families:	Druggable Genome
Protein Pathways:	Olfactory transduction
MW:	22.1 kDa
Gene Summary:	This gene encodes a phosphoprotein, which is located in the outer and inner segments of the rod cells in the retina. This protein may participate in the regulation of visual phototransduction or in the integration of photoreceptor metabolism. It modulates the phototransduction cascade by interacting with the beta and gamma subunits of the retinal G-protein transducin. This gene is a potential candidate gene for retinitis pigmentosa and Usher syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

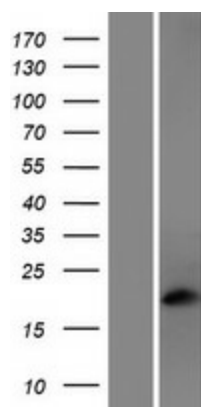
### Product images:



Circular map for RC212016



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PDC (Cat# RC212016, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDC rabbit polyclonal antibody (Cat# [TA890163]).



Western blot validation of overexpression lysate (Cat# [LY411611]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212016 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).