

## Product datasheet for RC206002

### PSCDBP (CYTIP) (NM\_004288) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSCDBP (CYTIP) (NM_004288) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CYTIP
Synonyms:	B3-1; CASP; CYBR; CYTHIP; HE; PSCDBP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC206002 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTTTACAAAGGCTCCTGCAACACAGCAGCAATGGCAATTTGGCGGACTTCTGCGCTGGCCAGCGT  
ATAGCTCTTACTCCACTCACCAGCAGCCTTACGATGGACGATAATAGAAGGATTCAAATGCTAGCAGA  
CACGGTGGCTACTCTGCCTCGGGACGAAAGCAGCTTGCCTTTGACCAGATCAAGTTCTTTAAGTGACTTT  
TCCTGGTCTCAAAGAAAGCTTGTACTGTGGAGAAGCAGGATAATGAAACATTTGGATTTGAAATTCAGT  
CTTACAGGCCCCAGAATCAGAATGCCTGCCTCGGAAATGTTCACTTTGATATGCAAAAACAGGAGGA  
CAGCCCAGCTCACTGTGCTGGCCTGCAAGCTGGTATGTCCTTGCAAATATCAATGGTGTGAGCACAGAA  
GGTTTTACCTACAACAAGTCGTTGACCTGATCAGATCGTCCGAAACCTGCTAACGATAGAGACTCTTA  
ATGGAACAATGATTCTGAAAAGAACGGAGCTTGAAGCAAAGCTGCAGGTTTTAAAGCAAACCTTTGAAACA  
AAAATGGGTGGAGTACAGATCTCTGCAGTTACAGGAACATCGTCTGCTTCATGGTGTGAGCTAATTGC  
CCCAGTTTGGAAAACATGGAATCGATTATCCAGTGAAGAGCTGTAAGAGCTGGCTGAGCTCCATGACGATGGACAG  
TGAAGATGGCTACCAGACGTGTGTCTGAGGACTCCAGCAGGGGTGCCTTCAGTCGGCAGACGAGTACA  
GATGATGAGTGCTTTATCCCAAGGAGGGGATGATTTTCTGAGGAGGTATCTTCAAGGAGGAACCCGGA  
GCATCAGTAACACCAGCAGCGGATCCATGTCTCCCTTGTGGGAGGGCAACTTATCAAGCATGTTTGGGAC  
CCTGCCCGGAAGAGCAGAAAGGAAAGTGTCCGAAAGCAACTCTTGAAATTTATCCCTGGCCTTCATCGT  
GCTGTGGAAGAGGAAGAAAGTCGCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206002 protein sequence  
 Red=Cloning site Green=Tags(s)

MSLQRLQLQHSSNGNLADFCAGPAYSSYSTLTGSLTMDNRRIQMLADTVATLPRGRKQLALTRSSSLSD  
 SWSQRKLVTVKQDNETFGFEIQSYRPNQACSSSEMFTLICKIQEDSPAHCAGLQAGDVLANINGVSTE  
 GFTYKQVVDLIRSSGNLLTIETLNGTMILKRTELEAKLQVLKQTLKQKWEYRSLQLQEHRLHGDAA  
 NCPSLENMDLDELSLFGPLPGPALVDRNRLSSESSCKSWLSSMTMDESDGYQTCVSESSRGAFSRQ  
 TSTDDECFIPKGGDFLRSSSRNRNRSISNTSSGMSPLWEGNLSSMFGLPRKSRKGSYRKLKQIPGL  
 HRAVEEEESRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

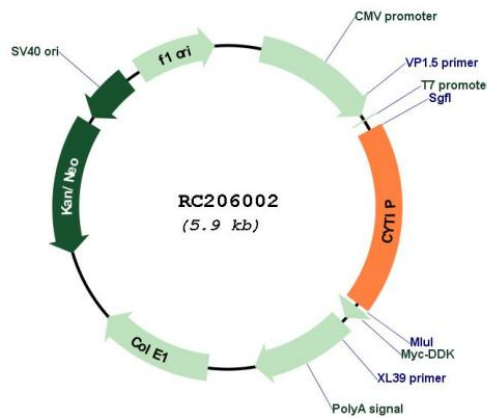
Chromatograms: [https://cdn.origene.com/chromatograms/mk6534\\_e03.zip](https://cdn.origene.com/chromatograms/mk6534_e03.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

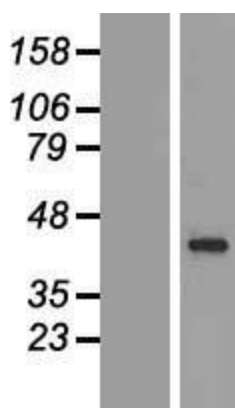


Plasmid Map:



ACCN:	NM_004288
ORF Size:	1077 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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004288.5</a>
RefSeq Size:	2282 bp
RefSeq ORF:	1080 bp
Locus ID:	9595
UniProt ID:	<a href="#">O60759</a>
Domains:	PDZ
MW:	40 kDa
Gene Summary:	The protein encoded by this gene contains 2 leucine zipper domains and a putative C-terminal nuclear targeting signal, but does not have any hydrophobic regions. This protein is expressed weakly in resting NK and T cells. The encoded protein modulates the activation of ARF genes by CYTH1. This protein interacts with CYTH1 and SNX27 proteins and may act to sequester CYTH1 protein in the cytoplasm.[provided by RefSeq, Aug 2008]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY418078]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206002 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).