

Product datasheet for RC226375

ITPRID2 (NM_001130445) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITPRID2 (NM_001130445) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITPRID2
Synonyms:	CS-1; CS1; KRAP; SPAG13; SSFA2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226375 representing NM_001130445 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCGCCCTGTCGTCGTCGCGCGGAGGCGGAGGAGGAAGTGGAGTGGCAAGTGGCGAGTCGCAGGA
GGAAGGCCTGGCCAAGTGCCGAGCTCCTGGCAAGCGTCGGAGACGGAGGATCTGTCCACAGAAGCGAC
GACGCAGGACGAGGAGGAGGACGAGGAGGAGGACCTCCCGCGCGCAGCTGCCGCGAGCGGGGGAAGA
GGAACCTGCCAACGAGAAGATCGCGATATGGCTCAAGGACTGCCGTACACCTTTGGGAGCCTCACTGG
ATGAACAAAGCAGTAGTACACTCAAGGGTGTGCTTGTGAGAAATGGAGGAAGTTTGAAGATGATTTGTC
ATTGGGAGCTGAAGCCAACCACCTCCATGAAAAGTATGCTCAAATGAAAAGTGAATAATATCTTGCC
AAAGAGAGAAGATTACAGTTTCAATCAGAAAGGAGAAAGTATGAATCCACTGGATCTGGGAAAAGTATG
GGACAGTTTCAAGTGTTCAGAAATGTTGGAACCTTATGAGGAAGATCCTGAAGAAATCTTTATAATCT
TGGATTTGGACGTGATGAACCAGATATTGCTTCTAAAATTCCTTCCAGATTTTTTAATTCATCATCCTTT
GCCAAAGGATAGATATTAAGTATTTTGAAGTGTCTCAGATGCAACGGATGGAAGTAGAAAACCCAAAT
ATGCTTTAACAAGCCGTTTTCGTCAAATGAAAGTGTCTACTACTGTGGCCAAATGCGTTTTCTTTATA
TTCTCAAGTCTCCGGGACGCCCTGCAGAGAATTGGAAGTATGCTCCTCAGTGACCTCAACAAGGAGACA
GACCCACCTCCACCTTAACTCGAAGTAACACTGCAAATCGTTTTAATGAAAACACTCTCAAAACTGAATT
TATGTGTTGATAAAACAGAGAAAGGAGAAAGTAGTAGCTTCTCCATCAGCTGAAAAGGAAAAGATTCT
AAATGTTTCAGTGATTGAAGAAAGTGGCAATAAAACGATCAAAAGTCTCAAAAATTAAGAAGAGAA
GAGTCATCTTCTATGTTGGCTACAGTTAAAGAAGAAGTCTCTGGTAGTTCAGCAGCTGTTACGGAGAATG
CTGATAGTGATAGAATTTCTGATGAAGCAATAGTAATTTAACAAGGAACTGAAAATGAACAAAGTAA
AGAAACTCAAAGTCATGAGAGTAACTGGGTGAGGAATCTGGTATTGTAGAATCCAAATAGATAGTGAT
TTCAACATATCCAGCCACAGTGAGCTGAAAATAGCAGTGAGCTGAAAAGTGTCCATATATCCACACCTG
AAAAGAGCCTTGTGCACCACTGACAATACCATCCATAAGAAATATAATGACACAGCAGAAGGACTCCTT
CGAAATGGAAGAGGTTCAAAGTACGGAGGAGAAAGCTCCTCATGTTCCAGCCACTTACCAGCTAGGTCTT
ACGAAGTCGAAAAGAGATCATCTGTTACGTACTGCAAGTCAGATTCCGATAGCAGTGGTTTTGCTGAAG



[View online »](#)

ATTCTACAGACTGCCTATCCCTTAATCATCTTCAGGTTTCAGGAGTCCTTGCAGGCTATGGGGAGTAGTGC
TGATAGTTGTGACAGTGAGACAACAGTTACGTCACCTTGGTGAAGACCTTGCCACACCAACAGCACAAGAC
CAGCCTTATTTAATGAATCAGAGGAGGAGTCTCTTGTCCCTCTTCAGAAAGGACTAGAGAAGGCAGCAG
CAGTTGCAGACAAAAGAAAATCAGGTAGCCAGGATTTCCCTCAGTGCAACACCATTGAGAATACAGGAAC
TAAACAGTCCACCTGTAGTCCAGGGATCATATCATTGAAATTAAGTGAAGTGAAGAGGATTTGTTCCA
GCAGAGACAGTAGAGCTACTGAGGGAAGCAAGTCTGAAAGTGAAGTGGGTAAGGCAAGTGAAGTGAAT
TTACTCAGTATACCACACACCATTCTGAAATCATTGGCTTCTATTGAAGCTAAATGCAGTGATATGAG
CTCTGAAAATACAACCTGGGCCTCCCTCTCCATGGACAGAGTTAATACAGCTTTGCAAAGAGCTCAAATG
AAGTTTTGCAGTCTGTCTAATCAAAGGATGGGGCTAGCCTGCTAAAATCAAAGATTTGTTAAAAAAA
GGTACTTATTTGCAAAGCTGGCTATCCTCTAAGAAGGTCTCAGTCTTTACCAACCACCTTATTGAGCCC
AGTAAGGTTGTCTCTGTCAATGTTGATTATCTCCAGGAAAAGAGACCAGATGCAGCCACCTTCC
TTCACCTATAAGTACACACCTGAAGAGGAGCAGGAATTGAAAAGCGGGTATGGAACATGATGGTCAGT
CTTTAGTTAAATCGACCTTTTCATCTCTCCATCATCTGTGAAGAAAGAAGAAGCCCCCAGAGTGAGGC
GCCCGGGTGGAGGAATGCCATCATGGAAGGACTCTACCTGTTACGGCTTGTCCACCACCAATGTCT
CAGTCTACCTGTTCCCTTATTCCATCCACTCTGAGTGGCAAGAAAGGCCCTGTGTGAGCACACAAGAA
CTCTGAGCACTCAGAGTGTCCCAACATATCAGGGGCTACTTGTAGTGCCTTCGCTTCCCTTTCCGGGTG
TCCTTACTCACATAGACATGCCACCTACCTTACCAGTGTGCTCTGTGAATCCTCCTTCAGCCATAGAA
ATGCAGTTGCGAAGGATATTACATGATATTAGAACTCACTGCAGAACTTTTACAGTACCTATGATGA
GAGGACCTGATCTGTGCTGCTCCATATAGTACTCAGAAATCATCTGTTCTACCTTTTATGAAAATAC
TTTTCAGGAGCTCCAGGTAATGAGGCGGAGCCTGAATTTGTTTAGAACACAAATGATGGATTTAGAATTG
GCAATGCTGCGTCAGCAAACCATGGTTTATCATCATATGACTGAGGAGGAGAGTTTGAAGTTGATCAGC
TCCAGGGTTTGAAGAAATCAGTCCGAATGGAACCTCAGGACCTGGAAGTGCAGCTGGAGGAGCGCTGCT
GGCCTGGAGGAGCAGCTTCGTGCTGTGCGCATGCCTTACCCTTCCGCTCCTCCGCACTCATGGGAATG
TGTGGCAGTAGAAGCGCTGATAACTTGTATGCCCTTCTCCATTGAATGTAATGGAACCAAGTCACTGAAC
TGATGCAGGAGCAGTCATACCTGAAGTCTGAATTGGGCTGGGACTTGGAGAAATGGGATTTGAAATTCC
TCCTGGAGAAAGCTCAGAATCTGTTTTTCCCAAGCAACATCAGAATCATCTTCTGTATGTTCTGGTCCC
TCTCATGCTAACAGAAGAACTGGAGTACCTTCTACTGCCTCAGTGGGCAATCCAAAACCCATTAGTGG
CAAGGAAGAAAGTGTCCGAGCATCGGTGGCTTAACGCCAACAGCTCCTTCTAGAACAGGCTCTGTGCA
GACACCTCCAGATTTGAAAAGTTCTGAGGAAGTTGATGCAGCTGAAGGAGCCCCAGAAGTTGTAGGACCT
AAATCTGAAGTGAAGAAAGGCGCATGAAAACCTCCATCAATGCCAGCTGCTGAGGAAATGCATAAAATG
TGGAGCAAGATGAGTTGCAGCAAGTCATACGGGAGATTAAGAGTCTATTGTTGGGAAATCAGACGGGA
AATTGTAAGTGGACTTTTGGCAGCAGTATCTTCAAGTAAAGCGTCTAATTCTAAGCAAGATTATCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226375 representing NM_001130445
 Red=Cloning site Green=Tags(s)

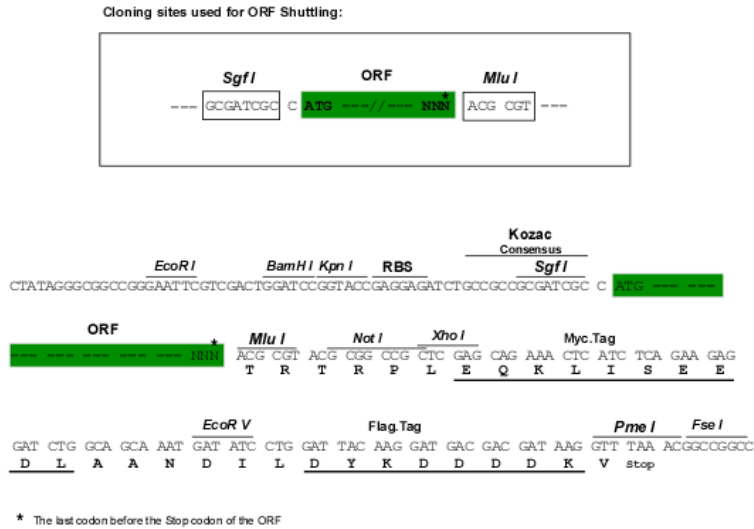
MDRPLSSSAEAEELWQVASRRRKAWAKCRSSWQASETEDLSTEATTQDEEEDEEEDLPGAQLPAAGGR
 GNVPNKIAIWLKDCRTPLGASLDEQSSSTLKGVLVRNGGSFEDDL SLGAEANHLHESDAQIENCNNILA
 KERRLQFHQKGRSMNSTGSGKSSGTVSSVSELLELYEEDPEEIL YNLGFRDEPDIASKIPSRFFNSSF
 AKGIDIKVFLSAQMQRMEVENPNYALTSRFRQIEVLTTVANAFSSLYSQVSGTPLQRIGSMSSVTSNKET
 DPPPPPLTRSNTANRLMKTL SKLNL CVDKTEKGESSSPSAEKGKILNVSVIEESGNKNDQKSQKIMKKK
 ESSSMLATVKEEVSGSSAAVTENADSDRISDEANSNFNQGTENEQSKETQSHEKLGEEESGIVESKLDSD
 FNISSELENSSELKSVHISTPEKEPCAPLTIPSIRNIMTQQKDSFEMEEVQSTEGEAPHVPATYQLGL
 TKSKRDHLLRTASQHS DSSGFAEDSTDCLSLNHLQVQESLQAMGSSADSCDSETTVTSLGEDLATPTAQD
 QPYFNESEEEELVPLQKLEKAAAVADKRKSGSQDFPQCNTIENTGKQSTCSPGDHIIIEITEVEEDLFP
 AETVELLREASAESDVGKSESEFTQYTHHILKSLASIEAKCDMSSENTTGPSSMDRVNTALQRAQM
 KVCSLSNQRMGRSLLKSKDLLKQRYLFAKAGYPLRRSQSLPTLLSPVRVSSVNVRLSPGKETRCSPPS
 FTYKYTPEEEQELEKRVMEHDGQSLVKSTIFISPSSVKKEEAPQSEAPRVEECHHGRTPTCSRLAPPMS
 QSTCSLHSIHSEWQERPLCEHRTLSTHVPNISGATCSAFASPFGCPYSHRHATYPYRVCVSNPPSAIE
 MQLRRVLHDIRNSLQNL SQYPMRGPDPAAAPYSTQKSSVLPLEYENTFQELQVMRRSLNLFRTQMMDLLEL
 AMLRQQTMYHHMTEERFEVDQLQGLRNSVRMELQDLELQLEERLLGLEEQLRVRMPSPFRSSALMGM
 CGRSADNLSCPSPLNMEPVTELMQEYSYLKSELGLGLGEMGF EI PPGESSESVFSQATSESSVCSGP
 SHANRRTGVPSTASVGSKSTPLVARKKVFRAVALTPTAPSRTGSVQTPPDLESSEEVDAEAGEPEVVG
 KSEVEEGHGLPSMPAAEEMHKNVEQDELQVIREIKESIVGEIRREIVSGLLA AVSSSKASNSKQDYH

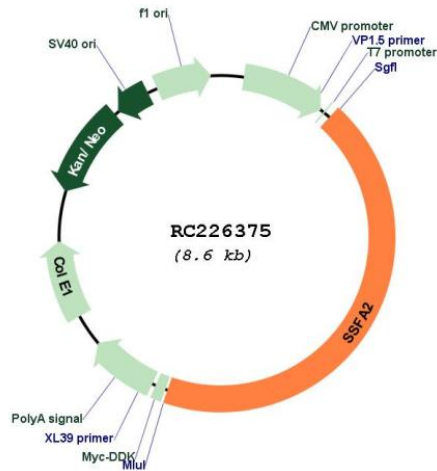
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001130445

ORF Size: 3777 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:

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_001130445.3](#)

RefSeq ORF: 3780 bp

Locus ID: 6744

UniProt ID: [P28290](#)

Cytogenetics: 2q31.3

MW: 138.2 kDa