

Product datasheet for RC234011

S100P binding protein (S100BP) (NM_001256121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100P binding protein (S100BP) (NM_001256121) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S100P binding protein
Synonyms:	S100PBPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC234011 representing NM_001256121 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTGCTCACGGGTGCCCTCTGAACAGTCTTCTGGTACCTCTCTTGCCTAAAGACGGTGCCCAT
TTTCTGGGATTCCTGGATGAGGATGGATTGGATGACTCCTTGCTGGAGCTGTCAGAGGGAGAAGAAGA
TGATGGTGATGTAATTACACAGAGGAAGAGATTGATGCACTGTTGAAGGAAGATGACCCATCATATGAG
CAGTCTTCTGGGAAGATGATGGTGGGCATGTTGAGAAGGGAGAAAGAGGGAGTCAAATCTACTTGATA
CTCCCCGAGAGAAAAATTCATCGTACAGCCTGGGACCAGTAGCTGAGACTCCTGACCTCTCAAACCTACC
TCAGCTAAGTACATCAAGTGGTCATGGACCAGCTCATACTAAACCATTAACAGACGCTCTGACTAGAA
AAGAATCTTATAAAAGTAACTGTTGCACCATTTAATCCAACAGTTTGTGATGCTCTGCTTGATAAGGACG
AGACTGATTCGTCAAAGATACTGAAAACTCTTCCCTTGGAGAAGAGATGAGAGAAGATGGTCTTAG
CCCAATGAAAGCAAACCTTGTACTGAATCTGAAGGGATCAGCCCAATAACTCTGCCTGGAATGGGCC
CAGCTCTTCTTCAAACAATAACTTTCAACAGACTGTCTCTGATAAAAAATGCCTGACAGTGAGAACC
CTACGTCTGTATTCTCTCGGATCTCAGACCATTAGAGACTCCTAATATGGAGTTATCCTGCAGAAATGG
TGGTTCACACAAGTCAAGTTGTGAAATGAGATCTCTGGTTGTTCCACCTCATCAACAACAGGATGTT
CTTAACAAGGATCTGGGAAGATGAAAGGCCATGAGAGAAGCATTAGCAAAGTCAATCTCTGTTTACAAA
CTAAGACCAGGACTAATGTTCCGACGTTTTACAGTCAAATCTAGAACAGCAGAAGCAGCTTTATCTCAG
GAGTGTCAATTGCTCATATAGAAGACCCAGAGGACACTAACCAAGGTATCTCGGGGAGCTTTGTGCCTTG
ATGGATCAAGTTCATCATATGCAGCACTCAAATGGCAGCATCCTTCGGACCTCACCACGCGAAACTACG
CCCGCCGACAGAAACATCTGCAAAGATACAGTCTGACTCAGTGGGTTGACAGGAACATGCGAAGCCACCA
TCGGTTCAGCGTCTCCAGACTTCTCGTACAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC234011 representing NM_001256121
 Red=Cloning site Green=Tags(s)

MMCSRVPSEQSSGTSLLPKDGAPFSWDSLDEDGLDDSLLELSEGEEDDGDVNYTEEEIDALLKEDDPSYE
 QSSGEDDDGGHVEKGERGSQILLDTPREKNSSYSLGPVAETPDLFKLPQLSTSSGHGPAHTKPLNRRSVLE
 KNLIKVTVPFNPTVCDALLDKDETSSKDETEKLSLGEEMREDGLSPNESKLCETSEGISPNNSAWNGP
 QLSSSNNNFQQTVSDKNMPDSENPTSVFSRISDHSETPNMELSCRNGGSHKSSCEMRSLVVSTSSNKQDV
 LNKDSGKMKGHERRLGKVIPLVLTQKTRTNVPTFSQSNLEQQKQLYLRSVIAHIEDPEDTNQGISGELCAL
 MDQVHHMQHSKWQHPSDLTTRNYARRQKHLQRYSLTQWVDRNMRSHHRFQRLPDFSYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001256121

ORF Size: 1224 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_001256121.1](#), [NP_001243050.1](#)

RefSeq Size: 4356 bp

RefSeq ORF: 1227 bp

Locus ID: 64766

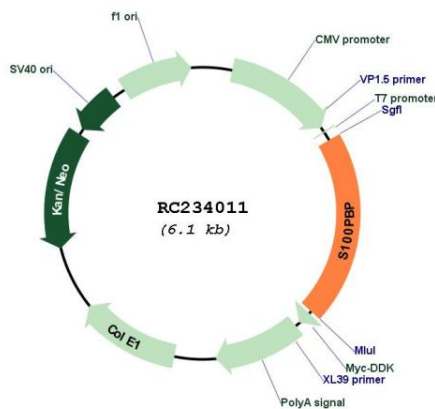
UniProt ID: [Q96BU1](#)

Cytogenetics: 1p35.1

MW: 46 kDa

Gene Summary: This gene encodes a protein that was originally identified by its interaction with S100 calcium-binding protein P. Expression of this protein has been reported to be associated with pancreatic ductal adenocarcinoma. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC234011