

Product datasheet for **RC231790**

HSPC210 (GSKIP) (NM_001271904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	HSPC210
Synonyms:	C14orf129; HSPC210
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231790 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACAGACTGTAATCCCATGGAGCTAAGCAGTATGTCAGGATTTGAAGAAGGTTCAAGCTGAACG
GTTTTGAAGAACTGACATGAAAGACATGAGGCTCGAAGCTGAAGCAGTTGTAATGATGTTCTCTTTGC
TGTTAACAACATGTTTGTCTCGAAAAGCCTGCGGTGTGCGGATGATGTGGCCTATATCAATGTGGAACA
AAGGAAGAAACAGATATTGCCTAGAACTCACTGAAGCAGGGCTCAAGGTGGTAGGCTATGCTTTTGACC
AGGTAGATGATCATTTACAGACTCCCTACCATGAAACAGTCTACTCCTTTGGATACACTCAGCCCCGC
CTACCGAGAAGCATTGTGAAACGCACTGCTTCAAAGACTGGAAGCTTTGAAAGAGATGGACAGTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231790 protein sequence
Red=Cloning site Green=Tags(s)

METDCNPMESSMSGFEESLNGFEGTDMKMRLEAEAVVNDVLFVNNMFVSKSLRCADDVAYINVET
KERNRYCLELTEAGLKVVGYAFDQVDDHLQTPYHETVYSLDLTSPAYREAFGNALLQRLEALKRDGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

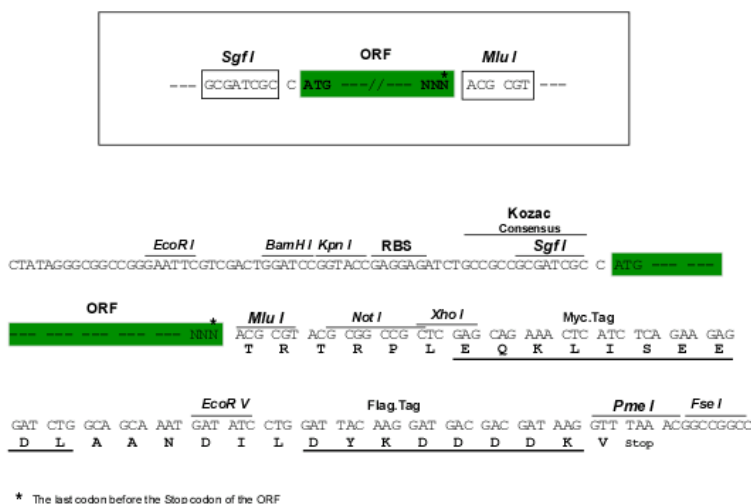
Chromatograms: https://cdn.origene.com/chromatograms/mk6299_c03.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001271904

ORF Size: 417 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.

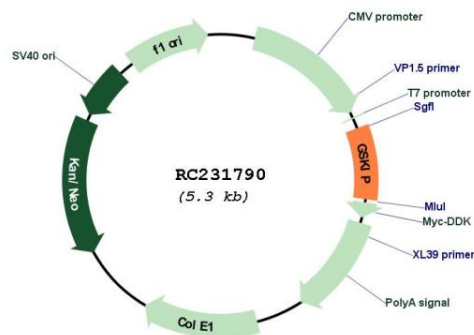
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: [NM_001271904.1](#), [NP_001258833.1](#)

RefSeq Size:	2665 bp
RefSeq ORF:	420 bp
Locus ID:	51527
UniProt ID:	Q9P0R6
Cytogenetics:	14q32.2
MW:	15.6 kDa

Gene Summary: This gene encodes a protein that is involved as a negative regulator of GSK3-beta in the Wnt signaling pathway. The encoded protein may play a role in the retinoic acid signaling pathway by regulating the functional interactions between GSK3-beta, beta-catenin and cyclin D1, and it regulates the beta-catenin/N-cadherin pool. The encoded protein contains a GSK3-beta interacting domain (GID) in its C-terminus, which is similar to the GID of Axin. The protein also contains an evolutionarily conserved RII-binding domain, which facilitates binding with protein kinase-A and GSK3-beta, enabling its role as an A-kinase anchoring protein. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RC231790