

Product datasheet for **SC126253**

HSPC210 (GSKIP) (BC004818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC210 (GSKIP) (BC004818) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPC210
Synonyms:	chromosome 14 open reading frame 129; GSK3beta interaction protein; GSKIP; HSPC210; MGC4945
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC004818 edited
CAGCTCGGTGCTGATTATCACACTGTTTGGTGACCTACTTCACTGACCTGTGAGGATTC
CTTCCCTTCAAGTACTGGATTCTTGATCTTTCTGCATCATCAAGAATGGAAACAGACTGT
AATCCCATGGAGCTAAGCAGTATGTGAGGATTTGAAGAAGGTTCCAGAGCTGAACGGTTTT
GAAGGAACTGACATGAAAGACATGAGGCTCGAAGCTGAAGCAGTTGTAATGATGTTCTC
TTTGCTGTTAACAAACATGTTGTCTCGAAAAGCCTGCGGTGTGCGGATGATGTGGCCTAT
ATCAATGTGGAAACAAAGGAAAGAAACAGATATTGCCTAGAACTCACTGAAGCAGGGCTC
AAGGTGGTAGGCTATGCTTTTGACCAGGTAGATGATCATTACAGACTCCCTACCATGAA
ACAGTCTACTCCTTGTGGATACACTCAGCCCCGCTACCGAGAAGCATTGGAAACGCA
CTGCTTCAAAGACTGGAAGCTTTGAAAAGAGATGGACAGTCATGACTACACTTTTTCTT
TCAGAGGGGCTGGTGTCTGTACAGAATGTTGATATAAAGCTTAAAATTCTTGCATATGGT
CATAGAAAATGCATCTTTGGTTTTGTGTTTTATCACTTGCTTCCAAGTCTAGGCTTTTGG
CTCAGAAGATTATTGAATAATGATTTGTCTTAGTTTCTGTTTCAGTAAGGGAATTCTGAG
GCCGTTGCTATGATACCATCATTAAAGACATTCACATGTCTTCATATAATATCTCTTCATT
TCAAATCCTAATCACTATTTCACTATTACAGGGCTTTGATGCTGCCAGCACTGTCTTT
TACATAGGAAATTCTAGATTTGCACAGTAATAGAGGAATTAGAAGTACCTAACTATACAC
TTTGATTACGCTGCTAAATCAGGGGTTCAATACTAGCTTGACAACTTTGTAGTAATT
AATTGCTACCAGCCTTATTGAAACAAATTATCAACTAGTTTCCCTGCACAAATTTTGA
AATCACTGCTTCACTTAATCTATTTATTAATAATAATGGATTAATAAAGATGAATTA
ATTATATATTACTTAAGTATTAATGAAAAACAGGGACTGAAATAGTTCTGTATTCC
GTGTTTGCAACAGCCAGCCAACCTAAGCAGAGGATAAACCGTTAGCAAATGAATGTAATAA
TTACTCATTCCAAAGATATCTAAGCACATAAGCAAATACAGGAACAGACTTCATTCTTTT
TCTTAACAAAAAAGCATCTTCAGTGTGTGATTTAAAAGAAAGAAGATTCTGGTTTCCTAG
AAAACAATATTTTGGCCTGTGTTGATTCTTATTCTGAATGTGTGTTTACATAATGTACAG
TATATATTCAGAAAGTATTTTGTCTCAACGTTTACTTTCTATGATGTAGTGCTTTGGTA
TTCCTACAGCACCCACCTTCCCAACAGATGTACAGTGTCTGTCTCCATTGCAAACTC
ACAATGTAATATGAGTGCATTGTATGGGTTTGAACCAAAGGATGAATGAAGCATTGAGA
GACTTAATATTTGAAAAAGGAATAGTCAGTATTTTATTTTTATTACAGGTAAGTATTT
TATAAATTTAATAAACTGTACCATGCTGCTGCATGTTTTCAAGTACATGTTGAACAGTAA
GGATTGGGGAGTTGTTTTTAATGGTCACCTAAAGCAGCTGCTATAGAAATGTTGAACTA
AAATTTTGCATCTGGTCATACCTTCATGCATTTATCATTTCAGATATTTTTCCATCATT
ATTAATAAACAGGAACCTTTAGGCTCTGAAGATCATGTGGACCAGAGCAAATTAAGTTC
AGTTTGTGTACAAATTCATTGCCAGACTTCATTGGAATGCTTTGTTTGTATGATGTATGTT
CATTCTCAGCTTTATTTTCAAGTGTCTTAACTGGGCAATGAAGTCTAACTTCAGGTTGAAC
TTTCTCATGTTTAAATCTCAGGCTAAATGTAATGATATTTGTAAGTTTGAATAAAATTC
TGTTTACTCATTGAGTTAGTATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC004818 unedited GGGTACCTTGATTTGTAAACCACTTACTATAGGCGGCCGCGNAATTCGATCTGGTACCGG TCCGGAATTCCTGGGATATCGTCGACCCACGCGTCCGGGAAGAAGAGGACGCCGGGCGCG CAGCTCGGTGCTGATTATCACAACCTGTTTGGTGACCTACTTCACTGACCTGTGAGGATTC CTTCCCTTCAAGTACTGGATTCTTGATCTTTCTGCATCATCAAGAATGGAACAGACTGT AATCCCATGGAGCTAAGCAGTATGTGAGGATTTGAAGAAGTTTCAGAGCTGAACGGTTTT GAAGGAAGTACATGAAAGACATGAGGCTCGAAGCTGAAGCAGTTGTAATGATGTTCTC TTTGCTGTTAACACATGTTTGTCTCGAAAAGCCTGCGGTGTGCGGATGATGTGGCCTAT ATCAATGTGGAACAAAGGAAAGAAACAGATATTGCCTAGAAGTCACTGAAGCAGGGCTC AAGGTGGTAGGCTATGCTTTTGACCAGGTAGATGATCATTTACAGACTCCCTACCATGAA ACAGTCTACTCCTTGTGGATACACTCAGCCCCGCTACCGAGAAGCATTGGAAACGCA CTGCTTCAAAGACTGGAAGCTTTGAAAAGAGATGGACAGTCATGACTACACTTTTTCTT TCAGAGGGGCTGGTGCTCGTACAGAATGTTGATATAAAGCTTAAATTCTTGCATATGGT CATAGAAAATGCCATCTGGGTTTGTGTTTTTACTTGGCTTCCAAGTCTAGGCTTTTGG CTCAGAAGATATTGAATAAATGATTGCTCCTAATTTCTGTTTCAATAAGGGAAATCTGAAG CCCTTGCTATGATACCCTCTTAAAACATCCCATGTCTTCATATATATCTCTCC
Restriction Sites:	NotI-NotI
ACCN:	BC004818
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	BC004818.2 , AAH04818.1
RefSeq Size:	2110 bp
Locus ID:	51527
Cytogenetics:	14q32.2

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]