# **PRODUCT INFORMATION**

Catalog number ATGD0167

Product type cDNA

**Species** Human

NCBI Accession No. NP\_057556.2

Alternative Names C14orf129, HSPC210

**mRNA Refseq** NM\_016472.4

ΟΜΙΜ

**Chromosome location** 14q32.2

## **PRODUCT SPECIFICATION**

### Formulation

Lyophilized

**Storage** Store the plasmid at -20C.

cDNA Size

420bp

### Preparation before usage

Centrifuge at 7000rpm for 1 minute.
Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
Each tube contains approximately 10ug of lyophilized plasmid.

### Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

### **Cloning Vector**

pATGen (puc19-derived cloning vector)

### **General Description**

GSKIP 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.

## DATA

### Sequence nucleotides

### **Transaction Sequence**

METDCNPMEL SSMSGFEEGS ELNGFEGTDM KDMRLEAEAV VNDVLFAVNN MFVSKSLRCA DDVAYINVET KERNRYCLEL TEAGLKVVGY AFDQVDDHLQ TPYHETVYSL LDTLSPAYRE AFGNALLQRL EALKRDGQS

