

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Frizzled-6 (G169) Peptide

Cat No.: BS5721P

#### Background

Frizzled-6 (FZD6, also known as frizzled homolog 6 in *Drosophila*) is a seven-transmembrane domain receptor that binds the Wnt ligand and influences macroscopic hair patterning and other tissue polarity events. Frizzled-6 protein contains a signal peptide and a cysteine-rich domain (CRD) in the N-terminal extracellular region, and does not contain a C-terminal PDZ domain-binding motif. Frizzled-3 and frizzled-6 influence neural tube closure and the planar orientation of hair bundles on a subset of auditory and vestibular sensory cells. Madin-Darby canine kidney (MDCK) cells are competent to form tubules in vitro and express the frizzled-6 receptor, which is known to form a complex with Wnt-4 through the CRD in this cell type. Frizzled-6 is expressed as a 4.4 kb mRNA in various human tissues, including adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, thymus, prostate, testis, ovary, small intestine and colon.

#### Swiss-Prot

O60353

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5721 Frizzled-6 (G169) pAb.

#### Purification & Purity

Synthetic peptide Frizzled-6 (G169). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.