

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Frizzled-2 (E240) Peptide

Cat No.: BS3163P

Background

The frizzled gene, originally identified in *Drosophila melanogaster*, is involved in the development of tissue polarity. The frizzled proteins contain seven transmembrane domains, a cysteine-rich domain in the extracellular region and a carboxy-terminal Ser/Thr-XXX-Val motif. The proteins in this family function as receptors for Wnt and are generally coupled to G proteins. Frizzleds are members of the G protein-coupled receptor superfamily. Frizzled-2 is expressed in the fetal kidney and lung and in the adult ovary and colon. Frizzled-2 mediates the Wnt/cGMP/Ca²⁺ pathway. It binds Wnt proteins and signals by activating the release of stored calcium. Frizzled-2 expression is regulated by Angiotensin II. Activated frizzled-2 suppresses the activity of protein kinase G, and activates NFAT-dependent transcription, the phosphatidylinositol pathway and calcium sensitive enzymes.

Swiss-Prot

Q14332

Applications

Blocking

Specificity

This peptide can be used with studies using BS3163 Frizzled-2 (E240) pAb.

Purification & Purity

Synthetic peptide Frizzled-2 (E240). (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.