

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### FRS3 (F219) Peptide

Cat No.: BS3027P

#### Background

FRS3 (fibroblast growth factor receptor substrate 3), also known as FRS2B (FRS2- $\beta$ ), is a 492 amino acid lipid-anchor adapter protein that contains one IRS-type PTB domain. Colocalizing to neural tissues with Tuj1, FRS3 functions as a feedback inhibitor of EGFR family members by preventing heterodimer formation between EGFR and ErbB2, thereby acting as a potential tumor suppressor. FRS3 is phosphorylated upon stimulation by FGF-2 or NGF and, acting as an adapter protein, links c-Fgr and NGF receptors to downstream signaling pathways. Interfering with the phosphorylation and nuclear translocation of ERK-2, FRS3 down-regulates ERK-2 expression. FRS3 likely interacts directly with GRB2, SH-PTP2, Flg, and Trk A, and may be involved in MAP kinase activation.

#### Swiss-Prot

O43559

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3027 FRS3 (F219) pAb.

#### Purification & Purity

Synthetic peptide FRS3 (F219). (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.