

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Neurofibromin (R1575) Peptide

Cat No.: BS2687P

Background

Neurofibromatosis type 1 (NF1), or von Recklinghausen neurofibromatosis, is one of the most common autosomal dominant disorders in humans. Early linkage analysis mapped the NF1 gene to chromosome 17. The predicted NF1 transcript encodes a 2818 amino acid protein designated NF1GRP. By sequence analysis, similarity has been demonstrated within a small region of NF1GRP and members of the Ras GAP gene family. Functionally, NF1GRP was shown by biochemical analysis involving RAS-GAP hydrolysis and functional complementation in yeast to further resemble GAP protein. The NF1 protein is expressed at relatively constant levels in a broad range of cell lines and tissues including brain, lung, liver, kidney, spleen, muscle and colon. Although little is known regarding the function of NF1GRP, the homology with the catalytic domain of proteins with GTPase activity suggests that the NF1GRP may also interact in vivo with Ras proteins.

Swiss-Prot

P21359

Applications

Blocking

Specificity

This peptide can be used with studies using BS2687 Neurofibromin (R1575) pAb.

Purification & Purity

Synthetic peptide Neurofibromin (R1575). (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.