Bioworld Technology CO., Ltd.

OXSR1 Peptide

Cat No.: BS5837P

Background

Oxidative stress-responsive 1 protein (OXSR1), a protein of 527 amino acids, belongs to the STE20 subfamily. OXSR1 is one of two human homologs of Fray, a serine/threonine kinase expressed in Drosophila. OXSR1 binds to and phosphorylates p21-activated protein kinase PAK1 and regulates downstream kinases in response to environmental stress. Endogenous OXSR1 is activated only by osmotic stresses, notably sorbitol and to a lesser extent NaCl. OXSR1 may also play a role in regulating the actin cytoskeleton. The chloride channel proteins SLC12A1, SLC12A2, and SLC12A6 isoform 2 interact with OXSR1, but SLC12A4 and SLC12A7 do not. The WNK1 and WNK4 protein kinases activate OXSR1 by phosphorlating its T-loop. The OXSR1 protein is widely expressed in mammalian tissues.

Swiss-Prot

O95747

Applications

Blocking

Specificity

This peptide can be used with studies using BS5837 OXSR1 pAb.

Purification & Purity

Synthetic peptide OXSR1. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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