

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



p-eIF2 α (S51) Peptide

Cat No.: BS4787P

Background

eIF2 α , also known as EIF2S1 or EIF2, is a 315 amino acid subunit of the eukaryotic initiation complex that functions to bind tRNA to the 40S ribosomal subunit (in a GTP-dependent manner), thereby initiating translation. In addition, the phosphorylation state of eIF2 α controls the rate of tRNA translation. When eIF2 α is not phosphorylated, translation occurs at a normal rate. However, upon phosphorylation by one of several kinases, eIF2 α is stabilized, thus preventing the GDP/GTP exchange reaction and slowing translation.

Swiss-Prot

P05198

Applications

Blocking

Specificity

This peptide can be used with studies using BS4787 p-eIF2 α (S51) pAb.

Purification & Purity

Synthetic peptide p-eIF2 α (S51). (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.