

PRODUCT DATA SHEET



Bioworld Technology CO., Ltd.

eIF4G (Q1103) Peptide

Cat No.: BS1534P

Background

The initiation of protein synthesis in eukaryotic cells is regulated by interactions between protein initiation factors and RNA molecules. The eukaryotic initiation complex eIF4F exists in vitro as a trimeric complex of eIF4G, eIF4E, and eIF4A. Together, the complex allows ribosome binding to mRNA by inducing the unwinding of mRNA secondary structures. eIF4E is a 25 kDa protein that binds to the mRNA "cap" during an early step in the initiation of protein synthesis. eIF4A acts as an ATP-dependent RNA helicase. eIF4G acts as a bridge between eIF4E, eIF4A, and the eIF3 complex.

Swiss-Prot

Q04637

Applications

Blocking

Specificity

This peptide can be used with studies using BS1534 eIF4G (Q1103) pAb.

Purification & Purity

Synthetic peptide eIF4G (Q1103). (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.