

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



EIF5A Peptide

Cat No.: BS60424P

Background

In mammalian cells, translation is controlled at the level of polypeptide chain initiation by eukaryotic initiation factors. The human eukaryotic translation initiation factor 5A gene, also designated eIF-4D or eIF5A, maps to chromosome 17p13-p12 and encodes a 154 amino acid protein that is linked to cellular polyamine homeostasis. eIF5A localizes to the nuclear and cytoplasmic compartments of mammalian cells where it can stimulate ribosomal peptidyl-transferase and may be involved in nucleocytoplasmic mRNA transport and/or protein translation. eIF5A contains a unique spermidine-derived post-translational modification at Lys-50, hypusine, which is necessary for eIF5A's biochemical activity and for cellular proliferative signaling. In addition, eIF5A is a cellular cofactor for the function of the Rev transactivator protein of human immunodeficiency virus type 1 (HIV-1). Inhibition of eIF5A interaction with Rev leads to a block of the viral replication cycle.

Swiss-Prot

P63241

Applications

Blocking

Specificity

This peptide can be used with studies using BS60424 EIF5A pAb.

Purification & Purity

Synthetic peptide EIF5A. (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.

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