

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



CstF-50 (R3) Peptide

Cat No.: BS2036P

Background

Polyadenylation of mRNA precursors is a two-step reaction that requires multiple protein factors. The first step, endonucleolytic cleavage of polyadenylation substrates, requires CstF (cleavage stimulation factor), a heterotrimer that is composed of three distinct subunits of 77, 64 and 50 kDa. Heterotrimeric CstF recognizes GU and U-rich sequences located downstream of the polyadenylation site on RNA. The 50 kDa CstF subunit shares extensive homology with mammalian G protein beta-subunits and has a transducin repeat domain, which is a 44 amino acid-long sequence that is repeated seven times. CstF-50 interacts with the nuclear protein BARD1 (BRCA1-associated RING domain protein) and inhibits polyadenylation in vitro. CstF-50 may also be responsible for the interaction of the heterotrimeric CstF complex with other polyadenylation and 3'-end cleavage factors to form a stable complex on the pre-mRNA.

Swiss-Prot

Q05048

Applications

Blocking

Specificity

This peptide can be used with studies using BS2036 CstF-50 (R3) pAb.

Purification & Purity

Synthetic peptide CstF-50 (R3). (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.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA. Email: info@bioworld.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046,
P, R.China. Email: info@biogot.com
Tel: +86-025-68037686 Fax: +86-025-68035151