

BLM Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 350521

Unit: 0.1 mg

Description:

BLM, a helicase protein from the RecQ subfamily, participates in DNA replication and repair with a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction. BLM is part of the BRCA1-associated genome surveillance complex (BASC), which contains BRCA1, MSH2, MSH6, MLH1, ATM, BLM, PMS2 and the RAD50-MRE11-NBS1 protein complex. Defects in BLM are the cause of bloom syndrome, characterized by growth deficiency, skin pigmentation disorders, predisposition to malignancy and chromosomal instability.

Format: Each vial contains 0.1 mg of lyophilized peptide. Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Bloom syndrome protein; RecQ protein-like 3; DNA helicase RecQ-like type 2; BLM; RECQ2; RECQL3

Accession No.: P54132

MW: 2154.3 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 200159 is selected from a sequence within the N-term region of human BLM. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C86H144N32O31S1

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.