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NSMCE1, 1-266aa, Human, His tag, E.coli

产品货号: TP03205

第三版

别名: Non-structural maintenance of chromosomes element 1 homolog, NSE1

描述: NSMCE1 is a component of the SMC5-SMC6 complex, a complex involved in DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). NSMCE1 has in vitro ubiquitin ligase activity in presence of NDNL2. Recombinant human NSMCE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

分子量: 33 kDa (289aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSMQGSTRMGVMTDVHRRFLQLLMTHGVLEEWDVKRLQTHCYKVHDRNATVD
KLEDFINNINSVLESLEYIEIKRGVTEDDGRPIYALVNLATTSISKMATDFAENELDLFRKALELIIDSETGFASSTNILNLVDQLK
GKKMRKKEAEQVLQKFVQNKWLIEKEGEFTLHGRAILEMEQYIREYTPDAVKICNICHSLLIQGQSCETCGIRMHLPCVA
KYFQSNAEPRCPHCNDYWPHEIPKVFDPKERESGVLKSNKSLRSRQH

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.