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NHEJ1, 1-224aa, Human, His tag, E.coli

产品货号: TP03153

第三版

别名:Non-homologous end-joining factor 1, XLF.

描述:Non-homologous end-joining factor 1, also known as NHEJ1, belongs to the XLF family. NHEJ1 was originally discovered as the protein mutated in five patients with growth retardation, microcephaly, and immunodeficiency. The protein is required for the non-homologous end joining (NHEJ) pathway of DNA repair. Patients with NHEJ1 mutations also have immunodeficiency due to a defect in V(D)J recombination, which utilizes NHEJ to promote immune system diversity.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

分子量:27.8 kDa (247aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSMEELEQGLLMQPWAWLQLAENSLAKVFITKQGYALLVSDLQQVWHEQVDTSV
VSQRAKELNKRLTAPPAFLCHLDNLLRPLLKDAHPSEATFSCDCVADALILRVRSELSGLPFYWNFHCMLASPSLVSQHL
IRPLMGMSLALQCQVRELATLLHMKDLEIQDYQESGATLIRDRLKTEPFENSFLEQFMIEKLPEACSIGDGKPFVMNLQDL
YMAVTTQ

纯度:> 95% by HPLC

浓度:0.5 mg/ml

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.