

Nonhomologous End-Joining Factor 1 Human Recombinant

Item Number	rAP-3827
Synonyms	Nonhomologous end-joining factor 1, Protein cernunnos, XRCC4-like factor, Cernunnos, XLF, FLJ12610.
Description	NHEJ1 Human Recombinant produced in E. coli is a single polypeptide chain containing 247 amino acids (1-224) and having a molecular mass of 27.8 kDa. NHEJ1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9H9Q4
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGS MEELEQG LLMQPWAWLQ LAENSLAKV FITKQGYALL VSDLQQVWHE QVDTSVVSR AKELNKRLTA PPAFLCHLD NLLRPLLKDA AHPSEATFSC DCVADA- LILR VRSELSGLPF YWNFHCMLAS PSLVSQLHIR PLMGMSLALQ CQVRELATLL HMKDLEIQDY QES- GATLIRD RLKTEPFEEN SFLEQFMIEK LPEACSIGDG KPFVMNLQDL YMAVTTQ
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The NHEJ1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**