

Recombinant Human NHEJ1 Protein, His-tagged

Cat. No. NHEJ1-2489H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human NHEJ1 Protein (Met1-Ser299) with a N-His tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Met1-Ser299 |
| Description | Double-strand breaks in DNA result from genotoxic stresses and are among the most damaging of DNA lesions. This gene encodes a DNA repair factor essential for the nonhomologous end-joining pathway, which preferentially mediates repair of double-stranded breaks. Mutations in this gene cause different kinds of severe combined immunodeficiency disorders. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 36.7 kDa Accurate Molecular Mass: 43 kDa |
| Endotoxin | <1.0 EU per 1g (determined by the LAL method). |
| Purity | > 80% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

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| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | NHEJ1 nonhomologous end-joining factor 1 [Homo sapiens (human)] |
| Official Symbol | NHEJ1 |
| Synonyms | NHEJ1; nonhomologous end-joining factor 1; non-homologous end-joining factor 1; Cernunos; FLJ12610; XLF; XRCC4-like factor; protein cernunos; |
| Gene ID | 79840 |
| mRNA Refseq | NM_024782 |
| Protein Refseq | NP_079058 |
| MIM | 611290 |

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UniProt ID

Q9H9Q4



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