

Product datasheet for **TP303393**

XLF (NHEJ1) (NM_024782) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human nonhomologous end-joining factor 1 (NHEJ1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203393 protein sequence
Red=Cloning site **Green**=Tags(s)

MEELEQGLLMQPWAWLQLAENSLAKVFITKQGYALLVSDLQQVWHEQVDTSVVSQRAKELNKRLTAPPA
AFLCHLDNLLRPLLKDAAHPSSEATFSCDCVADALILRVRSELSGLPFYWNFHCMLASPSLVSQHLIRPLM
GMSLALQCQVRELATLLHMKDLEIQDYQESGATLIRDRLKTEPFEENSFLEQFMIEKLPEACSIGDGKPF
VMNLQDLYMAVTTQEVQVGQKHQGAGDPHTSNSASLQGIDSQCVNQPEQLVSSAPTLSAPEKESTGTSGP
LQRPQLSKVKRKKPRGLFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_079058](#)

Locus ID: 79840



[View online »](#)

UniProt ID: [Q9H9Q4](#)

RefSeq Size: 2119

Cytogenetics: 2q35

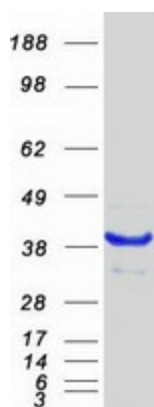
RefSeq ORF: 897

Synonyms: XLF

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Non-homologous end-joining

Product images:



Coomassie blue staining of purified NHEJ1 protein (Cat# TP303393). The protein was produced from HEK293T cells transfected with NHEJ1 cDNA clone (Cat# [RC203393]) using MegaTran 2.0 (Cat# [TT210002]).