

Product datasheet for RC203393L1

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XLF (NHEJ1) (NM_024782) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: XLF (NHEJ1) (NM_024782) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: XLF Synonyms: XLF

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

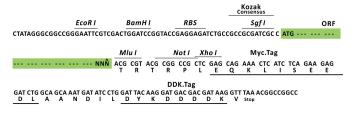
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203393).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_024782

ORF Size: 897 bp



XLF (NHEJ1) (NM_024782) Human Tagged Lenti ORF Clone - RC203393L1

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 024782.1</u>

RefSeq Size: 2119 bp
RefSeq ORF: 900 bp
Locus ID: 79840

UniProt ID: Q9H9Q4

Cytogenetics: 2q35

Protein Pathways: Non-homologous end-joining

MW: 33.3 kDa

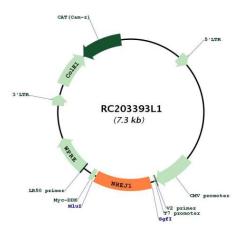
Gene Summary: Double-strand breaks in DNA result from genotoxic stresses and are among the most

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

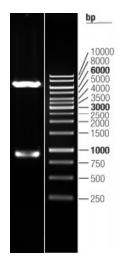
immunodeficiency disorders. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC203393L1



Double digestion of RC203393L1 using Sgfl and Mlul