

## Product datasheet for PH303393

### XLF (NHEJ1) (NM\_024782) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NHEJ1 MS Standard C13 and N15-labeled recombinant protein (NP_079058)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203393
Predicted MW:	33.3 kDa
Protein Sequence:	>RC203393 protein sequence Red=Cloning site Green=Tags(s)  MEELEQGLLMQPWAWLQLAENSLAKVFITKQGYALLVSDLQQVWHEQVDTSVVSQRAKELNKRLTAPPA AFLCHLDNLLRPLLKDAHPSEATFSCDCVADALILRVRSEL SGLPFYWNFHCMLASPSLVSQHLIRPLM GMSLALQCQVRELATLLHMKDLEIQDYQESGATLIRDRLKTEPFEEENSFLEQFMIEKLPACSIGDGKPF VMNLQDL YMAVTTQEVQVGQKHQAGDPHTSNSASLQGIDSQCVNQPEQLVSSAPTL SAPEKESTGTSGP LQRPQLSKVKRKKPRGLFS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_079058</a>
RefSeq Size:	2119
RefSeq ORF:	897
Synonyms:	XLF
Locus ID:	79840



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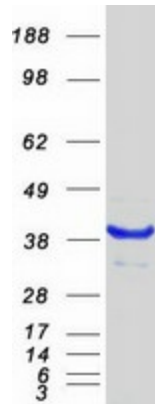
UniProt ID: [Q9H9Q4](#)

Cytogenetics: 2q35

**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]).