

Product datasheet for **TP504061**

Nhej1 (NM_029342) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse non-homologous end joining factor 1 (Nhej1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204061 protein sequence Red =Cloning site Green =Tags(s)
	 MEELEQDLLLQPWAWLQLAENSLAKVSITKHGYALLISDLQQVWHEQVDTSVVSQRAKELNKRLTAPPA ALLCHLDEALRPLFKDSAHPKATFSCDRGEEGLILRVQSELSGLPFSWHFHCIPASSLSVQHLIHLPLM GVSLALQSHVRELAALLRMKDLEIQAYQESGAVLSRSLKTEPFEENSFLEQFMAEKLPEACAVGDGKPF AMSLQSLYVAVTKQQIQARQAHKDSGETQASSSTSPRGTDNQPEEPVSLPSTLSEPEYEPVAASGPMHRA QLVKSKRKKPRGLFS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	32.7 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
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 after receiving vials.
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_083618
Locus ID:	75570
UniProt ID:	Q3KNJ2



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RefSeq Size: 1415

Cytogenetics: 1 C4

RefSeq ORF: 888

Synonyms: 1700029B21Rik; cernunnos; XLF

Summary: DNA repair protein involved in DNA nonhomologous end joining (NHEJ) required for double-strand break (DSB) repair and V(D)J recombination. May serve as a bridge between XRCC4 and the other NHEJ factors located at DNA ends, or may participate in reconfiguration of the end bound NHEJ factors to allow XRCC4 access to the DNA termini. It may act in concert with XRCC6/XRCC5 (Ku) to stimulate XRCC4-mediated joining of blunt ends and several types of mismatched ends that are noncomplementary or partially complementary (PubMed:17360556). Binds DNA in a length-dependent manner (By similarity). [UniProtKB/Swiss-Prot Function]