Recombinant Human XRCC4 protein, MYC/DDK-tagged

Cat. No. XRCC4-1004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human X-ray repair complementing defective repair in Chinese hamster cells 4 (XRCC4), transcript variant 1 was expressed in human HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternative splicing generates several transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	XRCC4 X-ray repair cross complementing 4 [Homo sapiens (human)]
Official Symbol	XRCC4
Synonyms	SSMED; SSMED
Gene ID	7518
mRNA Refseq	NM_003401
Protein Refseq	NP_003392
MIM	194363
UniProt ID	Q13426

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