

Recombinant Human XRCC4 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. XRCC4-078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	XRCC4 MS Standard C13 and N15-labeled recombinant protein (NP_072044) with a C-terminal MYC/DDK tag, was expressed in 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). Alternate transcript variants such as NM_022406 are unlikely to be expressed in some individuals due to a polymorphism (rs1805377) in the last splice acceptor site.
Molecular Mass	37.9 kDa
AA Sequence	MERKISRIHLVSEPSITHFLQVSWEKTLESGFVITLTDGHSAWTGTVSESEISQEADD MAMEKGGKYVGELRKALLSGAGPADVYTFNFSKESCYFFFEKNLKDVSFRLGFSFNLE KVENPAEVIRELICyclDTIAENQAKNEHLQKENERLLRDWNDVQGRFEKCVSAKEA LETDLYKRFILVLNEKTKIRSLHNKLLNAAQEREKDIKQEGETAICSEMTADRPVYD ESTDEESENQTDLSGLASAAVSKDDSISSLDVTDIAPSRKRRQRMQRNLGTEPKMA PQENQLQEKENSrPDSSLPETSKKEHISAENMSLETLRNSSPEDLFDEITRTRPLEQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



KLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name XRCC4 X-ray repair cross complementing 4 [Homo sapiens (human)]

Official Symbol XRCC4

Synonyms XRCC4; X-ray repair cross complementing 4; SSMED; DNA repair protein XRCC4; X-ray repair complementing defective repair in Chinese hamster cells 4

Gene ID 7518

mRNA Refseq NM_022550

Protein Refseq NP_072044

MIM 194363

UniProt ID Q13426

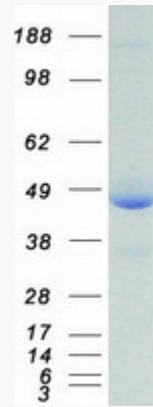
Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA