XRCC3, 1-346aa, Human, His tag, E.coli

: TP04515

:X-ray repair cross complementing protein 3, RAD51-like

:XRCC3, also known as RAD51-like, belongs to the RecA family and RAD51 subfamily. It participates in homologous recombination to maintain chromosome stability and repair DNA damage. This protein functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. Recombinant human XRCC3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

:Liquid. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea

:40.0 kDa (366aa)

:
MGSSHHHHHHSSGLVPRGSHMDLDLLDLNPRIIAAIKKAKLKSVKEVLHFSGPDLKRLTNLSSPEVWHLLRTASLHLRGSSI
LTALQLHQQKERFPTQHQRLSLGCPVLDALLRGGLPLDGITELAGRSSAGKTQLALQLCLAVQFPRQHGGLEAGAVYICT
EDAFPHKRLQQLMAQQPRLRTDVPGELLQKLRFGSQIFIEHVADVDTLLECVNKKVPVLLSRGMARLVVIDSVAAPFRCE
FDSQASAPRARHLQSLGATLRELSSAFQSPVLCINQVTEAMEEQGAAHGPLGFWDERVSPALGITWANQLLVRLLADRLRE
EEAALGCPARTLRVLSAPHLPPSSCSYTISAEGVRGTPGTQSH

:> 95% by HPLC

:1 mg/ml (determined by Bradford assay)

:< 1.0 EU per 1 ug of protein (determined by LAL method)

:+4° C   (1-2   ).   -20° C   -70° C.   .