

Recombinant Human XRCC6 protein, His-tagged

Cat. No. XRCC6-2000H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XRCC6 fused with His tag was expressed in Insect cells.
Species	Human
Source	Insect Cells
Form	KuP70/P80is supplied in 16mM HEPES buffer pH-8, 160mM NaCl, and 20% glycerol.
Molecular Mass	Have a molecular mass of 70,638 Dalton for the p70 subunit and 83,528 Dalton for the p80 subunit
Purity	Greater than 95% as determined by SDS-PAGE.
Applications	Western-Blot with monoclonal anti-hexa-His-tag antibody & anti-Ku autoantibody-positive patient sera.
Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. Avoid multiple freeze-thaw cycles.
Concentration	0.2-0.6 g/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

GENE INFORMATION

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Gene Name	XRCC6 X-ray repair complementing defective repair in Chinese hamster cells 6 [Homo sapiens]
Official Symbol	XRCC6
Synonyms	XRCC6; X-ray repair complementing defective repair in Chinese hamster cells 6; G22P1, thyroid autoantigen 70kD (Ku antigen) , thyroid autoantigen 70kDa (Ku antigen); X-ray repair cross-complementing protein 6; D22S671; D22S731; Ku autoantigen; 70kDa; KU70; ML8; 5-dRP lyase Ku70; Ku autoantigen, 70kDa; DNA repair protein XRCC6; Ku autoantigen p70 subunit; 70 kDa subunit of Ku antigen; thyroid-lupus autoantigen p70; lupus Ku autoantigen protein p70; 5-deoxyribose-5-phosphate lyase Ku70; CTC box binding factor 75 kDa subunit; CTC box-binding factor 75 kDa subunit; thyroid autoantigen 70kD (Ku antigen); ATP-dependent DNA helicase 2 subunit 1; thyroid autoantigen 70kDa (Ku antigen); ATP-dependent DNA helicase II 70 kDa subunit; ATP-dependent DNA helicase II, 70 kDa subunit; TLAA; CTC75; CTCBF; G22P1;
Gene ID	2547
mRNA Refseq	NM_001469
Protein Refseq	NP_001460
MIM	152690
UniProt ID	P12956
Chromosome Location	22q13.2
Pathway	2-LTR circle formation, organism-specific biosystem; BARD1 signaling events,

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organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; DNA Repair, organism-specific biosystem; DNA-PK complex, organism-specific biosystem; Disease, organism-specific biosystem; Double-Strand Break Repair, organism-specific biosystem;

Function

5-deoxyribose-5-phosphate lyase activity; ATP binding; ATP-dependent DNA helicase activity; DNA binding; double-stranded DNA binding; contributes_to double-stranded telomeric DNA binding; helicase activity; hydrolase activity; lyase activity; nucleotide binding; protein C-terminus binding; protein binding; transcription regulatory region DNA binding;

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