antibodies.com

Datasheet for ABIN5710634 XRCC3 Protein (AA 1-316, full length) (His-SUMO Tag)



1 Image



Quantity:	100 µg
Target:	XRCC3
Protein Characteristics:	full length, AA 1-316
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This XRCC3 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)
Product Details	
Sequence:	MDLDLLDLNP RIIAAIKKAK LKSVKEVLHF SGPDLKRLTN LSSPEVWHLL RTASLHLRGS
	SILTALQLHQ QKERFPTQHQ RLSLGCPVLD ALLRGGLPLD GITELAGRSS AGKTQLALQL
	CLAVQFPRQH GGLEAGAVYI CTEDAFPHKR LQQLMAQQPR LRTDVPGELL QKLRFGSQIF
	IEHVADVDTL LECVNKKVPV LLSRGMARLV VIDSVAAPFR CEFDSQASAP RARHLQSLGA
	TLRELSSAFQ SPVLCINQVT EAMEEQGAAH GPLGFWDERV SPALGITWAN QLLVRLLADR
	LREEEAALGC PARTLRVLSA PHLPPSSCSY TISAEGVRGT PGTQSH
Purification:	SDS-PAGE
Purity:	> 90 %
Target Details	

5

Target:

XRCC3

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN5710634 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	XRCC3 (XRCC3 Products)
Background:	Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Part of the RAD21 paralog protein complex CX3 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, CX3 acts downstream of RAD51 recruitment, the complex binds predominantly to the intersection of the four duplex arms of the Holliday junction (HJ) and to junctions of replication forks. Involved in HJ resolution and thus in processing HR intermediates late in the DNA repair process, the function may be linked to the CX3 complex and ses to involve GEN1 during mitotic cell cycle progression. Part of a PALB2-scaffolded HR complex containing BRCA2 and RAD51C and which is thought to play a role in DNA repair by HR. Plays a role in
	regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51 and RAD51C.
Molecular Weight:	53.83 kDa
UniProt:	043542
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C

Storage Comment:Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing
is not recommended. Store working aliquots at 4°C for up to one week.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN5710634 | 09/10/2023 | Copyright antibodies-online. All rights reserved.



SDS-PAGE

Image 1.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN5710634 | 09/10/2023 | Copyright antibodies-online. All rights reserved.