Recombinant Full Length Human DCLRE1B Protein, GST-tagged

Cat. No. DCLRE1B-3855HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCLRE1B full-length ORF (NP_073747.1, 1 a.a. - 532 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	532 amino acids
Description	DNA interstrand cross-links prevent strand separation, thereby physically blocking transcription, replication, and segregation of DNA. DCLRE1B is one of several evolutionarily conserved genes involved in repair of interstrand cross-links (Dronkert et al., 2000 [PubMed 10848582]).[supplied by OMIM, Mar 2008]
Molecular Mass	86.4 kDa
AA Sequence	MNGVLIPHTPIAVDFWSLRRAGTARLFFLSHMHSDHTVGLSSTWARPLYCSPITAHL LHRHLQVSKQWIQALEVGESHVLPLDEIGQETMTVTLLDANHCPGSVMFLFEGYFG TILYTGDFRYTPSMLKEPALTLGKQIHTLYLDNTNCNPALVLPSRQEAAHQIVQLIRKH PQHNIKIGLYSLGKESLLEQLALEFQTWVVLSPRRLELVQLLGLADVFTVEEKAGRIH AVDHMEICHSNMLRWNQTHPTIAILPTSRKIHSSHPDIHVIPYSDHSSYSELRAFVAAL KPCQVVPIVSRRPCGGFQDSLSPRISVPLIPDSVQQYMSSSSRKPSLLWLLERRLKR PRTQGVVFESPEESADQSQADRDSKKAKKEKLSPWPADLEKQPSHHPLRIKKQLFP DLYSKEWNKAVPFCESQKRVTMLTAPLGFSVHLRSTDEEFISQKTREEIGLGSPLVP

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

	MGDDDGGPEATGNQSAWMGHGSPLSHSSKGTPLLATEFRGLALKYLLTPVNFFQA GYSSRRFDQQVEKYHKPC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DCLRE1B DNA cross-link repair 1B [Homo sapiens (human)]
Official Symbol	DCLRE1B
Synonyms	DCLRE1B; DNA cross-link repair 1B; SNM1B; SNMIB; APOLLO; 5' exonuclease Apollo; DNA cross-link repair 1B (PSO2 homolog, S. cerevisiae); PSO2 homolog; SNM1 homolog B
Gene ID	64858
mRNA Refseq	NM_001319946
Protein Refseq	NP_001306875
MIM	609683

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UniProt ID	Q9H816

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