Recombinant Full Length Human DCLRE1C Protein, GST-tagged

Cat. No. DCLRE1C-2881HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCLRE1C full-length ORF (AAH22254, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	434 amino acids
Description	This gene encodes a nuclear protein that is involved in V(D)J recombination and DNA repair. The encoded protein has single-strand-specific 5'-3' exonuclease activity; it also exhibits endonuclease activity on 5' and 3' overhangs and hairpins. The protein also functions in the regulation of the cell cycle in response to DNA damage. Mutations in this gene can cause Athabascan-type severe combined immunodeficiency (SCIDA) and Omenn syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Molecular Mass	73.48 kDa
AA Sequence	MSSFEGQMAEYPTISIDRFDRENLRARAYFLSHCHKDHMKGLRAPTLKRRLECSLKV YLYCSPVTKELLLTSPKYRFWKKRIISIEIETPTQISLVDEASGEKEEIVVTLLPAGHCP GSVMFLFQGNNGTVLYTGDFRLAQGEAARMELLHSGGRVKDIQSVYLDTTFCDPRF YQIPSREECLSGVLELVRSWITRSPYHVVWLNCKAAYGYEYLFTNLSEELGVQVHVN KLDMFRNMPEILRHLTTDRNTQIHACRHPKAEEYFQWSKLPCGITSRNRIPLHIISIKP

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	STMWFGERSRKTNVIVRTGESSYRACFSFHSSYSEIKDFLSYLCPVNAYPNVIPVGT TMDKVVEILKPLCRSSQSTEPKYKPLGKLKRARTVHRDSGSHSVTQARMRWCHHD SLYPLTPGIKRSSCLSLLTSWITGAYRHAQLMI
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	DCLRE1C DNA cross-link repair 1C [Homo sapiens]
Official Symbol	DCLRE1C
Synonyms	DCLRE1C; DNA cross-link repair 1C; DNA cross link repair 1C (PSO2 homolog, S. cerevisiae) , SCIDA, severe combined immunodeficiency, type a (Athabascan); protein artemis; A SCID; ARTEMIS; FLJ11360; PSO2 homolog (S. cerevisiae); SNM1C; PSO2 homolog; SNM1 homolog C; SNM1-like protein; DNA cross-link repair 1C protein; severe combined immunodeficiency, type a (Athabascan); DNA cross-link repair 1C (PSO2 homolog, S. cerevisiae); SCIDA; A-SCID; hSNM1C; RS-SCID; DCLREC1C; FLJ36438;
Gene ID	64421

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mRNA Refseq	NM_001033855
Protein Refseq	NP_001029027
MIM	605988
UniProt ID	Q96SD1

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