

Product datasheet for **TP762523**

Artemis (DCLRE1C) (NM_022487) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human DNA cross-link repair 1C (DCLRE1C), transcript variant b, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of DCLRE1C
Tag:	N-GST and C-HIS
Predicted MW:	65.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris, pH8.0, 8M Urea
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_071932
Locus ID:	64421
UniProt ID:	Q96SD1
RefSeq Size:	6242
Cytogenetics:	10p13
RefSeq ORF:	1731
Synonyms:	A-SCID; DCLREC1C; RS-SCID; SCIDA; SNM1C



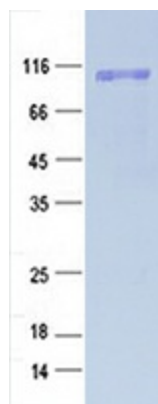
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Summary: This gene encodes a nuclear protein that is involved in V(D)J recombination and DNA repair. The encoded protein has single-strand-specific 5'-3' exonuclease activity; it also exhibits endonuclease activity on 5' and 3' overhangs and hairpins. The protein also functions in the regulation of the cell cycle in response to DNA damage. Mutations in this gene can cause Athabaskan-type severe combined immunodeficiency (SCIDA) and Omenn syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Non-homologous end-joining, Primary immunodeficiency

Product images:



Coomassie blue staining of purified DCLRE1C protein (Cat #TP762523). The protein was produced from E.coli.