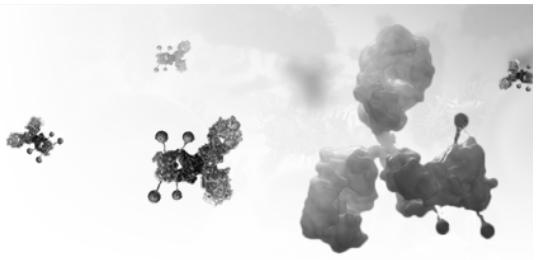

Human TINF2 peptide (DAG-P2002)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes one of the proteins of the shelterin, or telosome, complex which protects telomeres by allowing the cell to distinguish between telomeres and regions of DNA damage. The protein encoded by this gene is a critical part of shelterin; it interacts with the three DNA-binding proteins of the shelterin complex, and it is important for assembly of the complex. Mutations in this gene cause dyskeratosis congenita (DKC), an inherited bone marrow failure syndrome. [provided by RefSeq, Mar 2010]
Specificity	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TINF2 TERF1 (TRF1)-interacting nuclear factor 2 [Homo sapiens (human)]
Official Symbol	TINF2
Synonyms	TINF2; TERF1 (TRF1)-interacting nuclear factor 2; TIN2; DKCA3; TERF1-interacting nuclear factor 2; TRF1-interacting nuclear protein 2;
Entrez Gene ID	26277

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mRNA Refseq	NM_001099274.1
Protein Refseq	NP_001092744.1
UniProt ID	Q9BSI4
Chromosome Location	14q12
Pathway	Cell Cycle, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Damage/Telomere Stress Induced Senescence, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Synapsis, organism-specific biosystem; Packaging Of Telomere Ends, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem; Shelterin complex, organ
Function	NOT DNA binding; protein binding; telomeric DNA binding;

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