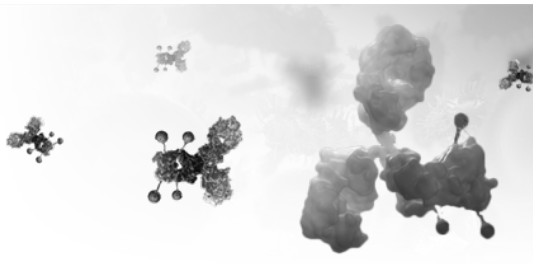

Human DKC1 peptide (DAG-P0426)

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

PRODUCT INFORMATION

Antigen Description	This gene functions in two distinct complexes. It plays an active role in telomerase stabilization and maintenance, as well as recognition of snoRNAs containing H/ACA sequences which provides stability during biogenesis and assembly into H/ACA small nucleolar RNA ribonucleoproteins (snoRNPs). This gene is highly conserved and widely expressed, and may play additional roles in nucleo-cytoplasmic shuttling, DNA damage response, and cell adhesion. Mutations have been associated with X-linked dyskeratosis congenita. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Specificity	Ubiquitously expressed.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the pseudouridine synthase TruB family.Contains 1 PUA domain.
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	DKC1 dyskeratosis congenita 1, dyskerin [Homo sapiens (human)]
Official Symbol	DKC1
Synonyms	DKC1; dyskeratosis congenita 1, dyskerin; DKC; CBF5; DKCX; NAP57; NOLA4; XAP101; H/ACA ribonucleoprotein complex subunit 4; CBF5 homolog; snoRNP protein DKC1; nucleolar

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	protein NAP57; nucleolar protein family A member 4; nopp140-associated protein of 57 kDa;
Entrez Gene ID	1736
mRNA Refseq	NM_001142463.2
Protein Refseq	NP_001135935.1
UniProt ID	O60832
Chromosome Location	Xq28
Pathway	Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Extension of Telomeres, organism-specific biosystem; H/ACA ribonucleoprotein complex, organism-specific biosystem; H/ACA ribonucleoprotein complex, conserved biosystem; Regulation of Telomerase, organism-specific biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem; Telomere Extension By Telomerase, organism-specific biosystem;
Function	RNA binding; poly(A) RNA binding; protein binding; pseudouridine synthase activity; telomerase activity;

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