

Recombinant Full Length Human DKC1 Protein, GST-tagged

Cat. No. DKC1-570HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DKC1(1 a.a. - 514 a.a.), fused with GST at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	514 amino acids
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	84.1 kDa
AA Sequence	MADAEVIILP KKHKKKKKERK SLPEEDVAEI QHAEFLIKP ESKVAKLDTS QWPLLLKNFD KLNVRTTHYT PLACGSNPLK REIGDYIRTG FINLDKPSNP SSHEVVAWIR RILRVEKTGH SGTLDPKVTG CLIVCIERAT RLVKSQQSAG KEYVGIVRLH NAIEGGTQLS RALETLTGAL FQRPPLIAAV KRQLRVRTIY

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ESKMIEYDPE RRLGIFWVSC EAGTYIRTLG VHLGLLLGVG GQMQLRRVR
 SGVMSEKDHM VTMHDVLDAQ WLYDNHKDES YLRRVVYPLE KLLTSHKRLV
 MKDSAVNAIC YGAKIMLPKV LRYEDGIEVN QEIVVITTKG EAICMAIALM
 TTAVISTCDH GIVAKIKRVI MERDTYPRKW GLGPKASQKK LMIKQGLLDK
 HGKPTDSTPA TWKQEYVDYS ESAKKEVVAE VVKAPQVVAE AAKTAKRKRE
 SESEDETTPP AAPQLIKKEK KKSCKDKKAK AGLESGAEPG DGDSDTTKKK
 KKKKKAKEVE LVSE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

DKC1 dyskeratosis congenita 1, dyskerin [Homo sapiens]

Official Symbol

DKC1

Synonyms

DKC1; dyskeratosis congenita 1, dyskerin; DKC; H/ACA ribonucleoprotein complex subunit 4; dyskerin; NAP57; NOLA4; XAP101; CBF5 homolog; cbf5p homolog; snoRNP protein DKC1; nucleolar protein NAP57; nucleolar protein family A member 4; nopp140-associated protein of 57 kDa; CBF5; DKCX; FLJ97620;

Gene ID

1736

mRNA Refseq

NM_001363

Protein Refseq

NP_001354

MIM

300126

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UniProt ID

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