

Recombinant human DCAF7 protein

Catalog Number: ATGP1177

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-295aa

UniProt No.

P61962

NCBI Accession No.

NP_005819

Alternative Names

DDB1-and CuL4-associated factor 7, AN11, HAN11, SWAN-1, WDR68

PRODUCT SPECIFICATION

Molecular Weight

33.6 kDa (298aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DCAF7, also known as DDB1-and CuL4-associated factor, involved in craniofacial development. This protein acts upstream of the EDN1 pathway and is required for formation of the upper jaw equivalent, the palatoquadrate. The activity required for EDN1 pathway function differs between the first and second arches. This protein associates with DIAPH1 and controls GLI1 transcriptional activity. This protein could be involved in normal and disease skin development. Recombinant human DCAF7 protein, fused to His-tag at N-terminus, was expressed in E. coli and denatured using detergent during conventional chromatography purification process.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MUYAMNWSVR PDKRFRLALG SFVEEYNNKV QLVGLDEESS EFICRNTFDH PYPTTKLMWI
PDTKGVYPDL LATSGDYLRV WRVGETETRL ECLNNNNKNS DFCAPLTSFD WNEVDPYLLG TSSIDTTCTI WGLETGQVLG
RVNLVSGHVK TQLIAHDKEV YDIAFSRAGG GRDMFASVGA DGSVRMFDLR HLEHSTIIYE DPQHHPLLRL CWNKQDPNYL
ATMAMDGMEV VILDVRVPCT PVARLNNHRA CVNGIAWAPH SSCHICTAAD DHQALIWD

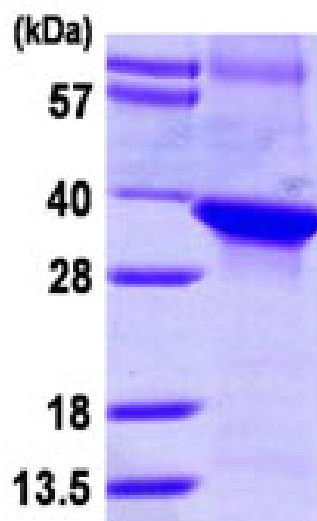
General References

Morita K., et al. (2006) J. Dermatol. Sci. 44:11-20

Jin J., et al. (2006) Mol. Cell. 23:709-721

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)