
Product Data Sheet

Product Name: DCAF7 Human
 Cat. No.: GP23297
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DDB1- and CUL4-associated factor 7; WD repeat-containing protein 68; WD repeat-containing protein An11 homolog; DCAF7; HAN11; WDR68; AN11; SWAN-1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MVYAMNWSVR PDKRFRLALG SFVEEYNNKV QLVGLDEESS EFICRNTFDH PYPTTKLMWI PDTKGVYPDL LATSGDYLRV WRVGETETRL ECLLNKNS DFCAPLTSFD WNEVDPYLLG TSSIDTTCTI WGLETGQVLG RVNLVSGHVK TQLIAHDKEV YDIAFSRAGG GRDMFASVGA DGSVRMFDLR HLEHSTIYE DPQHHP LLRL CWNKQDPNYL ATMAMDGMEV VILDVRVPCT PVARLNNHRA CVNGIAWAPH SSCHICTAAD DHQALIWD.		
Formulation	DCAF7 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M urea and 1mM DTT.		

Introduction

DDB1-and CUL4-associated factor (DCAF7) is involved in craniofacial development. The DCAF7 protein acts upstream of the EDN1 pathway and is essential for formation of the upper jaw equivalent, the palatoquadrate. The activity necessary for the EDN1 pathway function varies between the first and second arches. DCAF7 associates with DIAPH1 and controls GLI1 transcriptional activity. DCAF7 may be involved in normal and diseased skin development.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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DCAF7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 298 amino acids (19-295 a.a) and having a molecular mass of 33.6kDa. DCAF7 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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