DCAF7 Protein, Human (Sf9)

Cat. No.:	HY-P701521
Synonyms:	DCAF7; DDB1- and CUL4-associated factor 7; WD repeat-containing protein 68; WD repeat-containing protein An11 homolog
Species:	Human
Source:	Sf9 insect cells
Accession:	P61962 (S2-V342)
Gene ID:	10238
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	DCAF7 protein takes center stage in craniofacial development, playing a pivotal role upstream of the EDN1 pathway and contributing significantly to the formation of the upper jaw equivalent, the palatoquadrate. Its nuanced involvement is highlighted by distinct activity requirements for EDN1 pathway function in the first and second arches. Additionally, DCAF7 forms an intricate partnership with DIAPH1, exerting control over GLI1 transcriptional activity. Beyond craniofacial development, this protein emerges as a potential player in both normal and disease-related skin development. Notably, it may function as a substrate receptor for the CUL4-DDB1 E3 ubiquitin-protein ligase complex, shedding light on its engagement in protein modification processes, particularly protein ubiquitination.

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