

Recombinant Human DDB1- and CUL4-associated factor 7(DCAF7)

Catalog No: #AP70916

Package Size: #AP70916-1 20ug #AP70916-2 100ug #AP70916-3 1mg

Description

Product Name	Recombinant Human DDB1- and CUL4-associated factor 7(DCAF7)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-342aaSequence Info:Full Length
Other Names	WD repeat-containing protein 68WD repeat-containing protein An11 homolog
Accession No.	P61962
Calculated MW	54.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSLHGKRKEIYKYEAPWTVYAMNWSVRPDKRFRLLALGSFVEEYNNKVQLVGLDEESSEFICRNTFDHPYPTT KLMWIPDTKGVYPDLLATSGDYLRVWRVGETETRLECLNNNNKNSDFCAPLTSFDWNEVDPYLLGTSSIDTTC TIWGLETGQVLGRVNLVSGHVKTQLIAHDKEVYDIAFSRAGGGGRDMFASVGADGSVRMFDLRHLEHSTIIYED PQHHPLRLCWNKQDPNYLATMAMDGMEVILDVRVPCTPVARLNNHRACVNGIAWAPHSSCHICTAADDH QALIWDIQQMPRAIEDPILAYTAEGEINNQQWASTQPDWIAICYNNCLEILRV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Involved in craniofacial development. 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 . Associates with DIAPH1 and controls GLI1 transcriptional activity. Could be involved in normal and disease skin development. May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex.

References

DNA sequence of human chromosome 17 and analysis of rearrangement in the human lineage.Zody M.C., Garber M., Adams D.J., Sharpe T., Harrow J., Lupski J.R., Nicholson C., Searle S.M., Wilming L., Young S.K., Abouelleil A., Allen N.R., Bi W., Bloom T., Borowsky M.L., Bugalter B.E., Butler J., Chang J.L. , Chen C.-K., Cook A., Corum B., Cuomo C.A., de Jong P.J., DeCaprio D., Dewar K., FitzGerald M., Gilbert J., Gibson R., Gnerre S., Goldstein S., Grafham D.V., Grocock R., Hafez N., Hagopian D.S., Hart E., Norman C.H., Humphray S., Jaffe D.B., Jones M., Kamal M., Khodiyar V.K., LaButti K., Laird G., Lehoczy J., Liu X., Lokyitsang T., Loveland J., Lui A., Macdonald P., Major J.E., Matthews L., Mauceli E., McCarroll S.A., Mihalev A.H., Mudge J., Nguyen C., Nicol R., O'Leary S.B., Osoegawa K., Schwartz D.C., Shaw-Smith C., Stankiewicz P., Steward C., Swarbreck D., Venkataraman V., Whittaker C.A., Yang X., Zimmer A.R., Bradley A., Hubbard T., Birren B.W., Rogers J., Lander E.S., Nusbaum C.Nature 440:1045-1049(2006)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.