9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DTL Human

Denticleless E3 Ubiquitin Protein Ligase Human Recombinant
RCP0687

Product Overview

Name	DTL Human
Description	
Denticleless E3 Ubiquitin Protein Ligase Human Recombinant	
Accession (Primary)	Q9NZJ0
Synonyms	
L2DTL, DCAF2, RAMP, CDT2.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Each mg was lyophilized with 1xPBS, 0.4% SDS and 4mM DTT.	
Stability	
Store lyophilized DTL at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Solubility	
It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.	
Background	
Denticleless E3 ubiquitin protein ligase (DTL) is part of the E3 ubiquitin ligase family, fundamental to the ubiquitin-proteasome system, which adjusts protein degradation and modification in cells. DTL also participates in numerous critical biological processes, which comprises cell cycle progression, DNA repair, as well as embryonic development. More than a few diseases have been linked with the dysregulation of DTL in particular Cancer, this highlights the importance of DTL as a potential therapeutic goal. DTL takes an important part in regulating the cell cycle, mainly the	

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transition from the G1 phase to the S phase. The degradation of cell cycle regulators, such as cyclins, is also mediated by DTL in that way assuring appropriate cell division in addition to preventing uncontrolled proliferation. DTL is also part of the DNA damage response mechanisms. It ubiquitinates vital proteins which are involved in DNA repair pathways, thus influencing the cellular response to genotoxic stress and preserving genomic integrity.

Precautions

DTL Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NZJ0)

Background

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