

# E3 Ligases

*for Every Application*

## E3 Ligases: The Precision Controllers of Protein Fate

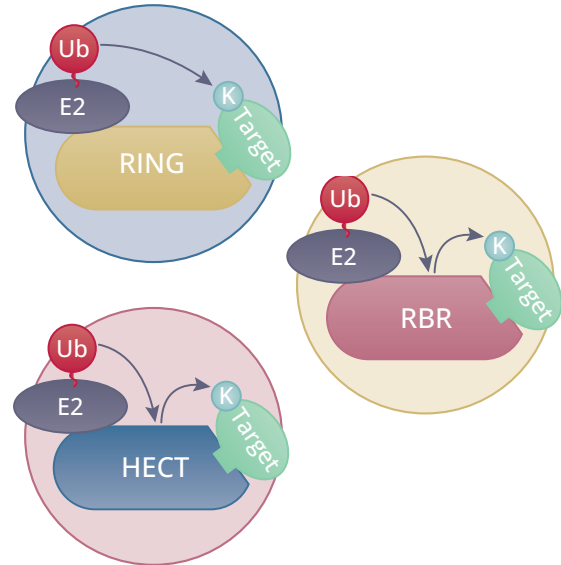
### What are E3s?

- The decision makers of ubiquitylation
- Select and tag proteins for degradation or signaling
- Drive specificity in the ubiquitin system

### Why do they matter?

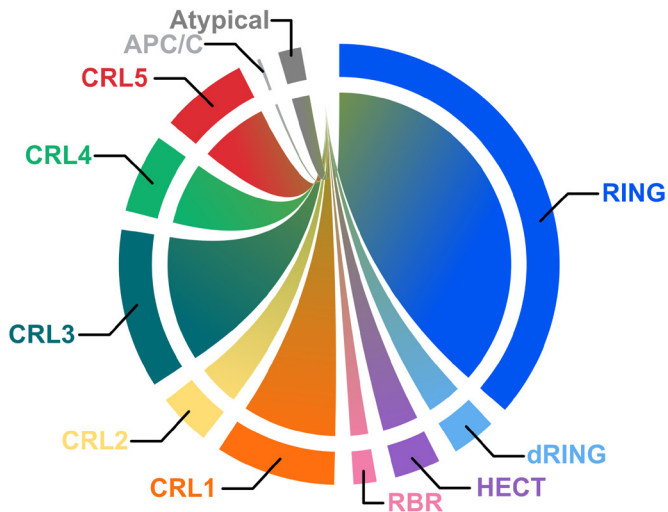
- Pinpoint control over protein life cycles
- Power essential pathways, i.e., cell cycle, DNA repair, immunity
- Keep cell in balance with proteostasis
- Central players in diseases like cancer and neurodegeneration
- Unlock new therapies harnessing protein degradation

Trilogie offers an expanding portfolio of both well-characterized and emerging E3 ligases.



Each E3 ligase family includes several distinct complex types

# How many E3 ligases in a human?



A recent, multi-institutional study spearheaded by Dr.'s Ngee Kiat (Jake) Chua and Rebecca Feltham of the WEHI Institute places our current estimate at 672!

Credit: N.K. Chua and R. Feltham, WEHI

Product	Product Code
AREL1	TE3-065
CHIP	TE3-116
CRBN / DDB1	TE3-015
CRBN / DDB1(ΔB)	TE3-085
CUL1 / RBX1, Neddylated	TE3-029
CUL3 / RBX1, Neddylated	TE3-034
DCAF11 / DDB1 / DDA1	TE3-099
DCAF16 / DDB1 / DDA1	TE3-112
FBXO22 / SKP1	TE3-028
FBXO31 / SKP1	TE3-091
KLHDC2	TE3-086
NleL	TE3-020
UBE3C	TE3-066
VHL / ELOB / ELOC	TE3-019

If your E3 is not listed, reach out to discuss options.

