

Translation: Termination

Stop Codon at A Site Causes Termination

Stop-sign Condom with (A) Apple and Terminator

When the stop codon is encountered, termination is prompted. This codon is recognized by release factors, which then work to disassemble the ribosomal complex, which is bound to mRNA.

Release Factors Help Complex Disassociate

Release Flaggers help Disconnect from Complex-building

Stop codons are not recognized by tRNA, but rather by release factors. When the stop codon is encountered, these release factors work to disassociate the ribosomal complex from the mRNA it is bound to.

Complex Falls Apart

Complex-building Falls Apart

Shortly after disassociating from the mRNA, the ribosomal complex falls apart.