



Translational control by mRNA untranslated regions in cancer

By Irina Groisman

LAP Lambert Academic Publishing Nov 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x17 mm. This item is printed on demand - Print on Demand Neuware - Regulation of gene expression is determined by splicing, mRNA transport, mRNA stability, and translation. These pathways are all interconnected in the cell to finally control protein synthesis. Translational control plays a predominant role in gene expression regulation because it allows rapid-response fine-tuning of the quantities of protein synthesized, and is potentially involved in spatial control mechanisms. Translational control mechanisms are based on interactions of RNA binding factors with 5' and 3' un-translated regions (UTRs) of mRNA. Aberrant expression of RNA binding factors affecting translational control is known to influence cell growth and lead to cancer. 276 pp. Englisch.



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