

Evidence, that the possible alternative splice forms of dynactin3 (p24) are non-functional pseudo-transcripts

The human dynactin3 is encoded in 7 exons on chromosome 9. All of them are constitutively spliced. Dynactin3 of *Homo sapiens* can also be transcribed into pseudo-transcripts (Figure 1).

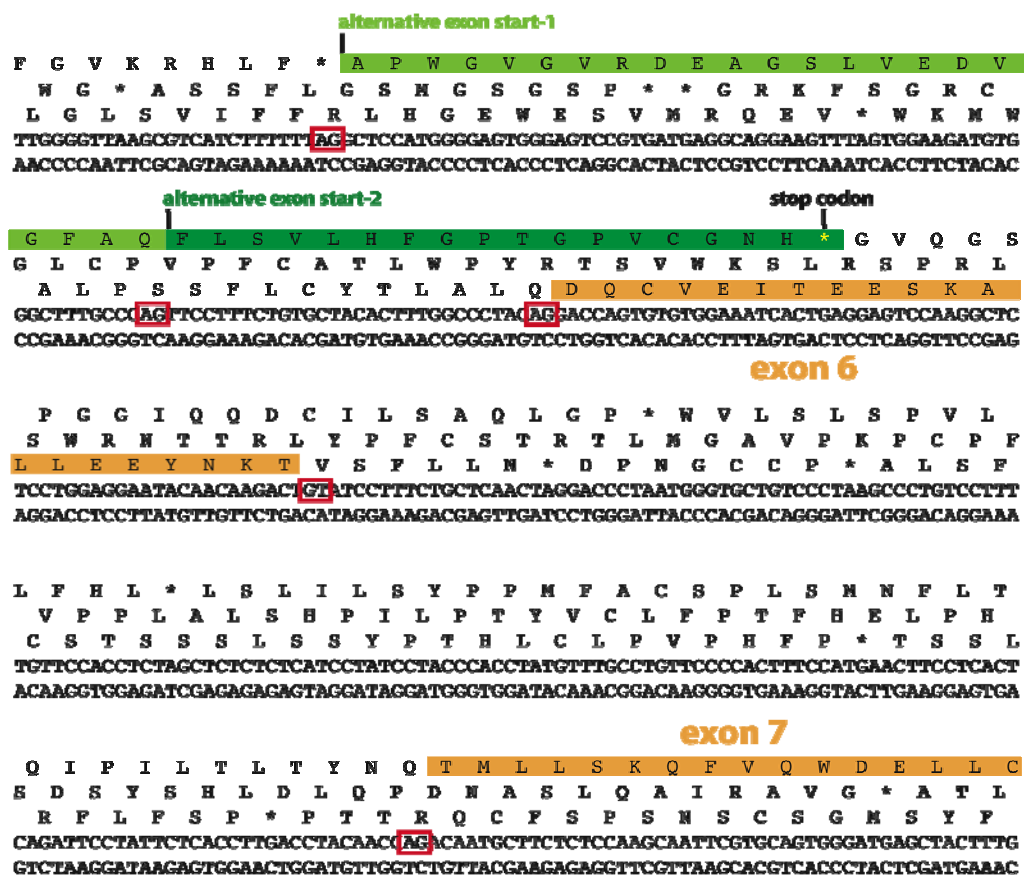


Figure 1: Three-frame translation of the genomic DNA around exon 6 and exon 7 from human dynactin3. Intron 3' splice sites ("AG") and 5' splice sites ("GT") are marked with red boxes. The alternative pseudoexon could start at two different positions, alternative exon start-1 and alternative exon start-2, and ends with a stop codon.

The alternative transcription of exon 6 leads to pseudo-transcripts because of the following reasons:

