

A COMPARISON OF TAF-CONTAINING COMPLEXES

Subunit	Functions	TFIID	SAGA	pCAF	TFTC
TAF250	Protein kinase. HAT activity. Required for progression through the cell cycle	Yes	NO	NO	NO
TAF150	Interacts with promoter DNA. Required (?) for initiator (Inr) function.	Yes	NO	n.d.	n.d.
TAF135	Interacts with Sp1, E1A, CREB. Co-activator for RAR, TR and VDR	Yes	NO	NO	Yes
TAF100	Contains WD40 repeats. Interacts with TFIIF	Yes	Yes	Yes	PAF65□
TAF80	Co-activator for p53. Sequence has a histone H4 motif, <u>forms histone-like pair with TAF 31</u>	Yes	Yes	NO	PAF65□
TAF55	Known to interact with several transcription factors: Sp1, VDR, TR	Yes	NO	n.d.	Yes
TAF31	<u>Forms histone-like pair with TAF80</u> , has a histone-like H3 motif. Interacts with TFIIB and VP16 transactivation domain.	Yes	Yes	Yes	Yes
TAF30	Interacts with one of the ER (estrogen receptor) transactivation domain. Required for ER activity in in vitro transcription assays.	Yes	Yes	Yes	Yes
TAF28	Co-activator for ER, VDR, RXR and Tax. <u>Forms histone-like pair with TAF18.</u>	Yes	NO	n.d.	NO
TAF20	<u>Contains histone-like H2B motif.</u>	Yes	Yes	Yes	Yes
TAF18	<u>Forms histone-like pair with TAF28. Contains a novel histone-like fold.</u>	Yes	NO	NO	n.d.
TBP?	Binds to TATA element in RNA pol II promoters	Yes	NO	NO	NO
HAT		TAF250	GCN5	PCAF/ GCN5	GCN5