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Product Information

KAT4, GST-tagged, human recombinant, expressed in *Sf*9 cells

Catalog Number **SRP5263**
Storage Temperature –70 °C

Synonyms: BA2R, CCG1, CCGS, DYT3, DYT3/TAF1, TAF1, N-TAF1, NSCL2, OF, P250, TAF2A

Product Description

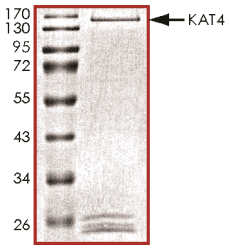
KAT4 is a DNA-binding protein complex required for RNA polymerase II-mediated transcription of many, if not all, protein-encoding genes in eukaryotic cells. KAT4 plays a key role in the initiation process, since it binds to the TATA element to form a complex that nucleates the assembly of the other components into a preinitiation complex and that may be stable through multiple rounds of transcription. KAT4 may be targeted to specific chromatin-bound promoters and may play a key role in chromatin recognition.[1] KAT4 also serves to link the control of transcription to the cell cycle.[2]

Recombinant human KAT4 (1032-end) was expressed by baculovirus in *Sf*9 insect cells using an N-terminal GST-tag. The KAT4 gene accession number is NM_138923. It is supplied in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~155 kDa

The enzymatic activity of this product has not been determined.

Figure 1.
SDS-PAGE Gel of Typical Lot:
≥70% (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Jacobson, R.H. et al., Structure and function of a human TAFII250 double bromodomain module. Science, **288**, 1422-1425 (2000).
2. Starr, D.B. et al., TFIID binds in the minor groove of the TATA box. Cell, **67**, 1231-1240 (1991).

RC,MAM 10/12-1