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Product datasheet

Recombinant Human KAT4 / TBP Associated Factor 1 protein ab135218

1 Image

Description

Product name	Recombinant Human KAT4 / TBP Associated Factor 1 protein
Purity	> 70 % SDS-PAGE.
Expression system	Baculovirus infected Sf9 cells
Accession	P21675
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGPGCDLLLRTAATITAAAIMSDTDSDEDSAGGGPFSLAG FLFGNINGAG QLEGESVLDDECKKHLAGLGALGLGSLITELTANEELTGT DGALVNDEGW VRSTEDAVDYSDINEVAEDESRRYQQTMGSLQPLCHSDY DEDDYDADCED IDCKLMPPPPPPPGPMKKDKDQDSITGEKVDFSSSSDSE SEMGPQEATQA ESEDGKLTLPLAGIMQHDATKLLPSVTELFPEFRPGKVLR FLRLFGPGKN VPSVWRSARRKRKKKHRELIQEEQIQEVECSVESEVSQK SLWNYDYAPPP PPEQCLSDDEITMMAPVESKFSQSTGDIDKVTDTKPRVA EWRYGPARLWY DMLGVPEDGSGFDYGFKLRKTEHEPVIKSRMIEEFRKLEE NNGTDLLADE NFLMVTQLHWEDDIIWDGEDVKHKGTKPQRASLAGWLPS SMTRNAMAYNV QQGFAATLDDDKPWYSIFPIDNEDLVYGRWEDNIIWDAQA MPRLLEPPVL TLDPNDENLILEIPDEKEEATSNSPSKESKKKESSLKKSRILL GKTGVIKE EPQQNMSQPEV
Predicted molecular weight	130 kDa including tags

Amino acids	1 to 561

Specifications

Our **Abpromise guarantee** covers the use of **ab135218** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE
Form	Liquid

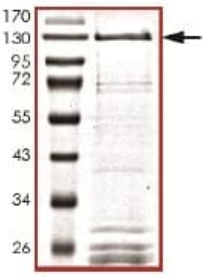
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	Largest component and core scaffold of the TFIID basal transcription factor complex. Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. Phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. Phosphorylates GTF2A1 and GTF2F1 on Ser residues. Possesses DNA-binding activity. Essential for progression of the G1 phase of the cell cycle.
Involvement in disease	Defects in TAF1 are the cause of dystonia type 3 (DYT3) [MIM:314250]; also called X-linked dystonia-parkinsonism (XDP). DYT3 is a X-linked dystonia-parkinsonism disorder. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT3 is characterized by severe progressive torsion dystonia followed by parkinsonism. Its prevalence is high in the Philippines. DYT3 has a well-defined pathology of extensive neuronal loss and mosaic gliosis in the striatum (caudate nucleus and putamen) which appears to resemble that in Huntington disease.
Sequence similarities	Belongs to the TAF1 family. Contains 2 bromo domains. Contains 1 HMG box DNA-binding domain. Contains 2 protein kinase domains.
Post-translational modifications	Phosphorylated by casein kinase II in vitro.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human KAT4 / TBP Associated Factor 1 protein (ab135218)

SDS-PAGE analysis of ab135218.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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