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Datasheet for 009-001-S28S

KAT4 protein-GST fusion

Overview

Description:	KAT4 recombinant protein-GST fusion protein - 009-001-S28S
Item No.:	009-001-S28S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	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). KAT4 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferases, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, Metabolic Disorder, Neurobiology, NfkB Pathway, and PKA/PKC Pathway research.
Synonyms:	BA2R, CCG1, CCGS, DYT3, DYT3/TAF1, TAF1, N-TAF1, NSCL2, OF, P250, TAF2A, Transcription initiation factor TFIID subunit 1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TAF1
Purity/Specificity:	Recombinant human KAT4 (1032-end) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Relevant Links:	• NCBI - NM_138923

Application Details

Application Note:	KAT4 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. KAT4 Protein is suitable for use in Western Blot. Expect a band approximately ~155kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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