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Datasheet for 009-001-T44S

SMYD3 protein-GST fusion

Overview

Description:	SMYD3 recombinant protein-GST fusion protein - 009-001-T44S
Item No.:	009-001-T44S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	SMYD3 (SET and MYND domain containing 3) is a histone methyltransferase that plays a role in transcriptional regulation as a member of an RNA polymerase complex. The introduction of SMYD3 enhanced cell growth and the histone methyltransferase activity of SMYD3 involved in the proliferation of cancer cells (1). A variable number of tandems repeat polymorphism in an E2F-1 binding element in the 5-prime flanking region of SMYD3 is a risk factor for human cancers (2). SMYD3 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	ZMYND1, ZNFN3A1, FLJ21080, Histone-lysine N-methyltransferase SMYD3, SET and MYND domain-containing protein 3, Zinc finger MYND domain-containing protein 1, SMYD3
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	SMYD3
Purity/Specificity:	Recombinant full-length human SMYD3 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - BC031010

Application Details

Application Note:	SMYD3 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. SMYD3 Protein is suitable for use in Western Blot. Expect a band approximately ~71kDa 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.

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