Datasheet for ABIN6700899

ELP3/KAT9 Protein (GST tag)

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Overview

Quantity:	20 µg
Target:	ELP3/KAT9 (ELP3)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELP3/KAT9 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KAT9 (ELP3)-GST fusion protein
Purification:	Recombinant full-length human KAT9 (ELP3) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	ELP3/KAT9 (ELP3)
Alternative Name:	ELP3 (ELP3 Products)
Background:	Synonyms: KAT9, ELP3, FLJ10422, Elongator complex protein 3, hELP3, EC 2.3.1.48 Background: KAT9 (also known as ELP3) is the catalytic subunit of the histone acetyltransferase (HAT) elongator complex, which contributes to transcript elongation and also

Target Details

	regulates the maturation of projection neurons. The knockdown of KAT9 by antisense morpholinos in zebrafish embryos resulted in dose-dependent shortening and abnormal branching of motor neurons with no concomitant morphologic abnormalities (1). KAT9 knockdown also impairs paternal DNA demethylation as indicated by reporter binding, immunostaining, and bisulfite sequencing (2). KAT9 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, Metabolic Disorder, Neurobiology, NfkB Pathway, and PKA/PKC Pathway research.
NCBI Accession:	NM_018091

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: KAT9 Protein is suitable for use in Western Blot. Expect a band approximately ~86 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 µg/µL
Buffer:	KAT9 Protein is stored 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, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months