

KAT9 (ELP3) recombinant protein

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CATALOG #
AAA14242

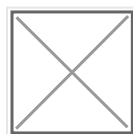
PRODUCT SYNONYMS

KAT9 (ELP3); KAT9 (ELP3) recombinant protein; KAT9; ELP3; FLJ10422

PRODUCT SPECIFICATIONS

Purity/Purification	>70%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1ug/ul (varies by lot)
Sequence Length	3232
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on Dry Ice. 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.

IMAGES



Application Data

The purity of KAT9 (ELP3) was determined to be >70% by densitometry. Approx. MW 86kDa.

ADDITIONAL INFORMATION

Related Product Information for KAT9 (ELP3) recombinant protein	Recombinant full-length human KAT9 (ELP3) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_018091. KAT9 (also known as ELP3) is the catalytic subunit of the histone acetyltransferase (HAT) elongator complex, which contributes to transcript elongation and also 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).
Product Categories/Family for KAT9 (ELP3) recombinant protein	Acetyl/Methyltransferases Proteins ; Signaling Proteins - Acetyl/Methyltransferase Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	187936940
NCBI GeneID	55140

NCBI Accession #	NP_060561.3
NCBI GenBank Nucleotide #	NM_018091
UniProt Accession #	Q9H9T3 ; Q53G84 ; Q6AWB0 ; Q9BVF7 ; Q9NVZ1
NCBI Official Full Name	Homo sapiens elongator acetyltransferase complex subunit 3 (ELP3), transcript variant 1, mRNA
NCBI Official Synonym Full Names	elongator acetyltransferase complex subunit 3
NCBI Official Symbol	ELP3
NCBI Official Synonym Symbols	KAT9
NCBI Protein Information	elongator complex protein 3; elongation protein 3 homolog
UniProt Protein Name	Elongator complex protein 3
UniProt Gene Name	ELP3
UniProt Synonym Gene Names	hELP3
UniProt Entry Name	ELP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/elp3-recombinant-protein/14242>