Datasheet for ABIN7564968

ELP3/KAT9 Protein (AA 1-547) (His tag)

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Overview

Quantity:	1 mg
Target:	ELP3/KAT9 (ELP3)
Protein Characteristics:	AA 1-547
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELP3/KAT9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Elp3 Protein expressed in mammalien cells.
Sequence:	MRQKRKGDLS PAELMMLTIG DVIKQLVEAH EQGKDVDLNK MKTKTAAKYG LASQPRLVDI IAAVPPHYRK ILIPKLKAKP VRTASGIAVV AVMCKPHRCP HISFTGNICI YCPGGPDSDF EYSTQSYTGY EPTSMRAIRA RYDPFLQTRH RIEQLKQLGH SVDKVEFIVM GGTFMALPEE YRDYFIRSLH DALSGHTSNN IHEAIKYSER SFTKCVGITI ETRPDYCMKR HLSDMLTYGC TRLEIGVQSV YEDVARDTNR GHTVKAACES FHLAKDSGFK VVTHMMPDLP NVGLERDIEQ FIEFFENPAF RPDGLKLYPT LVIRGTGLYE LWKSGRYRSY SPSDLIELVA RILALVPPWT RVYRVQRDIP MPLVSSGVEH GNLRELAFAR MKDLGIQCRD VRTREVGIQE IHHRVRPYQV ELVRRDYVAN GGWETFLSYE DPDQDILIGL LRLRKCSEET FRFELGGGVS IVRELHVYGS VVPVSSRDPT KFQHQGFGML LMEEAERIAR EEHGSGKMAV ISGVGTRNYY RKIGYRLQGP YMVKMLK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag**

Product Details

	necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ELP3/KAT9 (ELP3)
Alternative Name:	Elp3 (ELP3 Products)
Background:	Elongator complex protein 3 (EC 2.3.1.-) (tRNA uridine(34) acetyltransferase),FUNCTION: Catalytic tRNA acetyltransferase subunit of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (By similarity). In the elongator complex, acts as a tRNA uridine(34) acetyltransferase by mediating formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (By similarity). May also act as a protein lysine acetyltransferase by mediating acetylation of target proteins, such activity is however unclear in vivo and recent evidences suggest that ELP3 primarily acts as a tRNA acetyltransferase (By similarity). Involved in neurogenesis: regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (PubMed:19185337). Required for acetylation of GJA1 in the developing cerebral cortex (PubMed:28507509). {ECO:0000250|UniProtKB:D5VRB9,

Target Details

	ECO:0000250|UniProtKB:Q9H9T3, ECO:0000269|PubMed:19185337, ECO:0000269|PubMed:22854966, ECO:0000269|PubMed:28507509}.
Molecular Weight:	62.4 kDa
UniProt:	Q9CZX0

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months