Recombinant Full Length Human ALKBH8 Protein, C-Flag-tagged

Cat. No. ALKBH8-1952HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALKBH8 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables tRNA (uracil) methyltransferase activity; tRNA binding activity; and zinc ion binding activity. Involved in cellular response to DNA damage stimulus; tRNA methylation; and tRNA wobble uridine modification. Located in cytosol and nuclear body. Implicated in autosomal recessive non-syndromic intellectual disability.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75 kDa
AA Sequence	MDSNHQSNYKLSKTEKKFLRKQIKAKHTLLRHEGIETVSYATQSLVVANGGLGNGVS RNQLLPVLEKCGL VDALLMPPNKPYSFARYRTTEESKRAYVTLNGKEVVDDLGQKI TLYLNFVEKVQWKELRPQALPPGLMVV EEIISSEEEKMLLESVDWTEDTDNQNSQK SLKHRRVKHFGYEFHYENNNVDKDKPLSGGLPDICESFLEK WLRKGYIKHKPDQMT INQYEPGQGIPAHIDTHSAFEDEIVSLSLGSEIVMDFKHPDGIAVPVMLPRRSLL VMT GESRYLWTHGITCRKFDTVQASESLKSGIITSDVGDLTLSKRGLRTSFTFRKVRQTP CNCSYPLVCD SQRKETPPSFPESDKEASRLEQEYVHQVYEEIAGHFSSTRHTPWP HIVEFLKALPSGSIVADIGCGNGKY LGINKELYMIGCDRSQNLVDICRERQFQAFVCD

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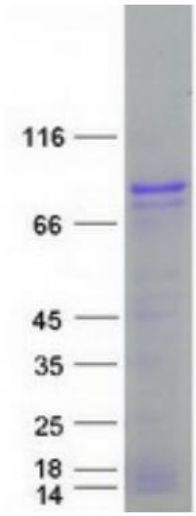
	ALAVPVRSGSCDACISIAVIHHFATAERRVAALQEIV RLLRPGGKALIYVWAMEQEYN KQKSKYLRGNRNSQGKKEEMNSDTSVQRSLVEQMRDMGSRDSASSVPRI NDSQE GGCNSRQVSNSKLPVHVNRTSFYSQDVLVPWHLKGNPDKGKPVEPFGPIGSQDPS PVFHRYYHVF REGELEGACRTVSDVRILQSYYDQGNWCVILQKA TRTRPLEQKLIS EEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	ALKBH8 alkB homolog 8, tRNA methyltransferase [Homo sapiens (human)]
Official Symbol	ALKBH8
Synonyms	ABH8; TRM9; MRT71; TRMT9; TRMT9A
Gene ID	91801

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mRNA Refseq	NM_138775.3
Protein Refseq	NP_620130
MIM	613306
UniProt ID	Q96BT7



Coomassie blue staining of purified ALKBH8 protein.

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