

## Product datasheet for **TP329328L**

### ALKBH8 (NM\_138775) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens alkB, alkylation repair homolog 8 (E. coli) (ALKBH8), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC229328 representing NM_138775 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDSNHQSNYKLSKTEKKFLRKQIKAKHTLLRHEGIETVSYATQSLVWANGGLGNGVSRNQLLPVLEKCGLVDALLMPPNKPYSFARYRTTEESKRAYVTLNGKEVDDLGQKITLYLNFVEKVQWKELRPQALPPGLMVVEEISSEEEKMLLESVDWTEDTDNQNSQKSLKHRRVKHFGYEFHYENNNVDKDKPLSGGLPDICESFLEKWLRKGYIKHKPDQMTINQYEPGQGIPAHIDTHSAFEDEIVSLSLGSEIVMDFKHPDGIAPVVMLPRRSLLVMTGESRYLWTHGITCRKFDTVQASESLKSGIITSDVGDLTLSKRGLRSTSFTFRKVRQTPCNCYSYPLVCD SQRKETPPSFPESDKEASRLQEYVHQVYEEIAGHFSSTRHTPWPHIVEFLKALPSGSIVADIGCGNGKYLGINKEYMIGCDRSQNLVDICRERQFQAFVCDALAVPVRSGSCDACISIAVIHHFATAERRVAALQEIV RLLRPGGKALIYWAMEQEYNKQKSKYLRGNRNSQGGKKEEMNSDTSVQRSLVEQMRDMGSRDSASSVPRI NDSQEGGCNSRQVSNKLPVHVNRTSFYSQDVLVPWHLKGNPDKGKPVPEFGPIGSQDPSPVFHRYYHVF REGELEGACRTVSDVRILQSYDQGNWCVILQKA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

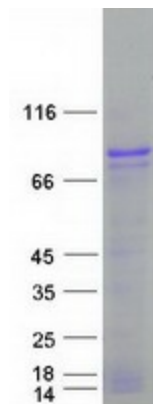
Tag:	C-Myc/DDK
Predicted MW:	75 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_620130</a>
<b>Locus ID:</b>	91801
<b>UniProt ID:</b>	<a href="#">Q96BT7</a>
<b>Cytogenetics:</b>	11q22.3
<b>RefSeq ORF:</b>	1992
<b>Synonyms:</b>	ABH8; MRT71; TRM9; TRMT9; TRMT9A
<b>Summary:</b>	Catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in tRNA via its methyltransferase domain (PubMed:20123966, PubMed:20308323). Catalyzes the last step in the formation of 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA (PubMed:20123966, PubMed:20308323). Has a preference for tRNA(Arg) and tRNA(Glu), and does not bind tRNA(Lys)(PubMed:20308323). Binds tRNA and catalyzes the iron and alpha-ketoglutarate dependent hydroxylation of 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in tRNA via its dioxygenase domain, giving rise to 5-(S)-methoxycarbonylhydroxymethyluridine; has a preference for tRNA(Gly) (PubMed:21285950). Required for normal survival after DNA damage (PubMed:20308323). May inhibit apoptosis and promote cell survival and angiogenesis (PubMed:19293182).[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified ALKBH8 protein (Cat# [TP329328]). The protein was produced from HEK293T cells transfected with ALKBH8 cDNA clone (Cat# [RC229328]) using MegaTran 2.0 (Cat# [TT210002]).